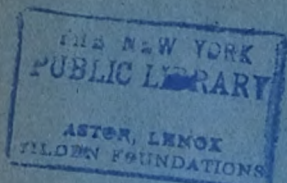

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8
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FOR THE

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PART 1.

1923.



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REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY.

PART 1.

1923.



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1923.

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GEORGE R.I.

WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

Given at Our Court at St. James's this 27th day of
August, 1923, in the 14th year of Our Reign,

By His Majesty's Command,

DERBY.

DEFINITIONS.

N.B.—The following terms used in these regulations will have the signification shown below :—

Accountant	Any officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.
Assistant Director of Ordnance Services	The officer of the directing staff, R.A.O.C., posted to the headquarters of a command to administer Army Ordnance Services.
A.D.O.S. Provision ...	An officer of the directing staff, R.A.O.C., appointed by the War Office, to be responsible for the provision of ordnance stores for the army (including clothing and ammunition).
Chief Inspector	The senior officer of a division of the Inspection Staff.
Commanding Officer ...	The officer commanding any unit.
Chief Ordnance Officer ...	The senior officer of the directing staff, R.A.O.C., appointed to take charge of Army Ordnance Services in an Area or in an Ordnance Depot.
D.O.O.	An officer of the directing staff, R.A.O.C., appointed by the War Office, to be responsible for the administration of the technical and departmental services of central ordnance depots in Great Britain, including Ammunition Depots, and Clothing Depots.
Equipment	Ordnance Stores of all descriptions, including guns, machine guns, small arms, ammunition, &c., and material for repair and preservation allowed by these regulations.

Equipment Ammunition ...	Is that which is normally carried for— (a) <i>Rifles and Pistols</i> , on the soldier in the field. (b) <i>Machine Guns</i> , in Vickers ammunition belts carried with the gun (other than spare belts), in Lewis magazines and in Hotchkiss ammunition belts or strips (excluding spare strips). (c) <i>Guns</i> , in the ammunition wagons and limbers of the battery.
First Line Reserve Gun Ammunition	Is that carried in the wagons of the ammunition column.
First Line Reserve Small arm Ammunition	Is the further quantity required by units as allowed for in war equipment tables to complete to the war scale, and is carried in first line transport.
Inspector of Ordnance Machinery	An officer of the mechanical engineering branch of the R.A.O.C. who is charged with the inspection and repair of gun carriages, vehicles and other material in an area or depot.
Mobilization Equipment ...	All items of equipment which are held by or for the unit to complete to approved war scale.
Military Tradesmen ...	Warrant Officers, N.C.Os., and men shown on the regimental establishment as tradesmen, and entitled to draw tradesmen's rates of pay continuously as such.
Peace Equipment ...	All items of equipment which are authorized by scale (E.R., Part 1 and 2) for use during peace.
Personal Equipment ...	Arms, accoutrements, steel helmets, and respirators which are allowed for the personal use of the soldier.
Ordnance Officer ...	The officer charged with the executive duties of an ordnance depot.
Unit ...	Units are bodies of troops each under a separate commanding officer who is an accountant.
Unit Equipment ...	All items of equipment other than personal equipment.
War Equipment ...	Ammunition, guns, machine guns, small arms, stores of all descriptions and material for repair which are authorized to enable the unit to take the field on the approved War Establishment.

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1921.

ABBREVIATIONS.

A.B.	Army Book.	I.M.E.	Inspector of Military Equipment, India Office.
A.C.I.	Army Council Instruction.	I.O.M.	Inspector of Ordnance Machinery.
A.D.O.S.	Assistant Director of Ordnance Services.	M.M.P.	Military Mounted Police.
A.D. of S. & T.	Assistant Director of Supplies and Transport.	M.T.	Mechanical Transport.
A.E.C.	Army Educational Corps.	M.T.S.D	Mechanical Transport Stores Depot.
A.F.	Army Form.	N.C.O.	Non - Commissioned Officer.
C.I.	Chief Inspector.	O.C.	Officer Commanding.
C.I.M.T.	Chief Inspector of Mechanical Transport.	O.O.	Ordnance Officer.
C.I.S.A.	Chief Inspector of Small Arms.	R.A.	Royal Artillery.
C.O.	Commanding Officer.	R.A.M.C.	Royal Army Medical Corps.
C.O.O.	Chief Ordnance Officer.	R.A.O.C.	Royal Army Ordnance Corps.
C.R.E.	Commanding Royal Engineers.	R.A.O.S.	Regulations for Army Ordnance Services.
D.A.D.O.S.	Deputy Assistant Director of Ordnance Services.	R.A.P.C.	Royal Army Pay Corps.
D.D.M.S.	Deputy Director of Medical Services.	R.A.S.C.	Royal Army Service Corps.
D.O.O.	Directing Ordnance Officer.	R.C.S.	Royal Corps of Signals.
E.R.	Equipment Regulations.	R.E.	Royal Engineers.
G.O.C.	General Officer Commanding.	R.F.A.	Royal Field Artillery.
G.O.C.-in-C.	General Officer Commanding-in-Chief.	R.G.A.	Royal Garrison Artillery.
I.A.O.S.	Inspector of Army Ordnance Services.	R.H.A.	Royal Horse Artillery.
		R.S.A.F.	Royal Small Arms Factory.
		W.D.	War Department.

NOTE.—For explanation of abbreviations used in description of stores, see Priced Vocabulary of Stores.

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[As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Secretary, The War Office.]

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, 1923.

PART 1.—GENERAL REGULATIONS.

SECTION I.—DUTIES OF OFFICERS.

A.—INTRODUCTORY.

1. The following regulations for the equipment of the regular army are promulgated for the information and guidance of officers concerned. The proportions of ammunition, equipment, and materials for repair, and other details contained therein, will be strictly adhered to. Where special scales are authorized for electric lights, telegraph, telephone and signal stations, colleges, schools, &c., no details are included in these regulations, but the general procedure as regards demand, supply, and disposal of such equipment will be as herein laid down.

2. In describing stores in equipment ledgers, indents, &c., the designations and sections of the Priced Vocabulary of Stores will be strictly followed. Articles not included in the vocabulary will be headed "not in vocabulary" and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

B.—DUTIES OF GENERAL OFFICERS COMMANDING.

3. G.Os.C. will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued to or taken into use by units on mobilization are at all times maintained in a serviceable and complete condition. This applies equally to stores held as peace equipment by units and to mobilization equipment.

They are responsible for the custody and maintenance of the mobilization equipment held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that

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where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory reason.

Mobilization equipment in regimental charge will be inspected when the annual inspection of the unit takes place, unless the latter inspection is carried out when the unit is absent from the station at which its mobilization equipment is kept.

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4. Equipment stored for mobilization will be inspected approximately every six months alternately by the C.O.O. and by the A.D.O.S. In districts where both these appointments do not exist, another O.O. may be detailed to carry out one of the half-yearly inspections in any year.

In each case, the result of these inspections will be reported on A.F. G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the G.O.C. wishes this done.

5. The General or other O.C. a command or other independent district will be responsible for seeing that equipment is issued to the troops for service purposes in accordance with the authorized proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the administrative head of the R.A.O.C. in the command or district to provide for the *temporary requirements* of the service according to circumstances. This written authority will be attached to the indent forwarded to the O.O. of the issuing dépôt, with a brief statement of the circumstances necessitating the issue.

It must be distinctly understood that the power of the G.O.C. to approve such excess issues does not extend to ammunition and explosives, *nor to permanent issues of any kind*, except as provided for in these regulations. The financial effect of the excess issue will be carefully considered before approval is given.

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Regulations regarding issue of stores in excess of barrack schedules are dealt with in paragraph 496, Regulations for Supply, Transport, and Barrack Services, 1915.

6. In any instance in which equipment, other than ammunition, is drawn in excess of the authorized proportions without the written authority required by paragraph 5, the case should be submitted without delay to the G.O.C., who will deal with it as a matter of discipline, and when consumable stores are concerned, the excess issues should be treated as losses, and dealt with under King's Regulations.

7. A statement of all issues approved under paragraph 5, with remarks as to the necessity for such issues, will be rendered by the command to the Secretary, The War Office, half yearly on the 1st January and 1st July.

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When it is considered desirable that the item or items should be approved as a permanent addition to an establishment, the G.O.C. will report full details quarterly to the Secretary, The War Office.

8. In the event of any unnecessary delay occurring in the supply

of equipment, the G.O.C. will report the circumstance, with the explanation of the C.O.O. concerned, to the War Office.

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1921

9. The G.O.C. will cause arrangements to be made for the safe custody of duplicate keys of all public safes in use in the command.

C.—DUTIES OF COMMANDING OFFICERS.

10. C.Os. will be held directly responsible for seeing that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorized proportions unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command, and when any defects are discovered will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation to the C.O.O.

Commandants of Schools of Instruction and similar institutions will be regarded as C.Os. for all purposes to which the instructions contained in these regulations apply.

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11. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, for ensuring that the necessary action is taken to provide for such changes. (See paragraph 158.)

12. They will compare the quantities of mobilization stores in their charge, as shown by the war equipment tables of their respective units, with the remains of the stores shown at the end of their mobilization equipment ledgers on the 31st March in each year. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

13. Alterations to equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office.

14. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and the outgoing officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in Appendix I and will accompany the regimental equipment ledger, on transmission of the latter as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the out-going C.O., the regimental board will be assembled prior to the departure of the out-going officer, and the senior officer remaining with the unit will take over and be responsible for the equipment until it is handed over by him to the officer assuming command.

(See paragraphs 113 and 115 regarding the verification of lists of official books, &c.)

15. The stocktaking board may be dispensed with if the officer taking over the charge of the equipment considers it unnecessary, but he will then be held responsible and will himself sign the form

of certificate shown in paragraph 6 of Appendix I and dispose of it as therein directed.

16. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments, by a board of officers, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over or the one taking over charge, the O.C.R.A. will appoint a board of officers for the purpose. Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to variations caused by subsequent duly vouched store transactions.

17. When deficiencies or damages are discovered on a transfer of the equipment, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by superior authority. In the case of personal equipment the usual steps will be taken to recover the cost of replacing or repairing.

18. In order to facilitate the maintenance of stocks, the C.O. will at all times furnish the C.O.O. with such information as he may require regarding the state of the equipment in his charge.

19. All communications connected with the supply of equipment, will be addressed to the C.O.O. of the area or command, who will, if necessary, take the orders of the G.O.C. on the subject.

20. The C.O. will bring to the notice of the G.O.C. any undue delay in the supply of equipment, the report to be accompanied by the remarks of the C.O.O. area or command.

21. The original keys of safes will be held in the personal custody of the officers or other responsible subordinates using or in charge of the safes and they will be responsible for ensuring that such keys are not left in places even comparatively accessible to the general public or subordinates.

When the original or duplicate key of a safe is lost a new key is not to be manufactured locally, but the circumstances will be at once reported to the C.O.O., who will arrange for action to be taken in accordance with R.A.O.S., Part 1.

The cost of altering the combination of the lock or for other repairs to safes and all expenses in connection with carriage, &c., will, subject to the provisions of the Army Act, be charged against the individual responsible for the safe custody of the key.

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SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

A.—SUPPLY OF EQUIPMENT.

22. Indents for articles required for the maintenance on completion of authorized equipments will be rendered to the C.O.O. of the area or command on the dates given in paragraph 24

by officers who are accountants. They will be prepared in duplicate on the authorized forms, which will be completed where necessary to show the paragraph or table of the regulations authorizing the issue, the establishment of men, animals or equipment, and the quantities in possession.

A separate sheet (or division of such forms as are divided by perforation) will be used for each vocabulary sub-section, and will bear the regimental or corps office stamp.

Indents for ammunition and stores required on payment will be endorsed to that effect in red ink.

23. Except for the special services referred to in paragraph 1, the E.R. are the sole authority for the issue of peace equipment.

The latest print of the war equipment table published by Army Orders is, under this paragraph, the authority for the scale of mobilization equipment to be stored during peace and for the storage and issue of war equipment on mobilization for units which do not exist in peace.

Initial supplies of war equipment tables to units will be made by the A.D.O.S.; any further quantities required will be demanded by units direct from the Army Forms Depot, War Office.

24. Except in emergency, indents will be rendered to the R.A.O.C. on the following dates :—

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	Army Form.	When rendered.
Materials for repair of—		
Small arms	G 829	} Annually, on 1st March.
Accoutrements... ..	G 957	
Harness, saddlery and packsaddlery...	G 1037	
Curts and wagons	G 979	} Annually, on 1st September.
Materials for repair of bicycles... ..	G 997	
Materials for repair and maintenance of mechanically propelled vehicles, including tanks and workshop equipments	G 997	} Quarterly — on 1st March, 1st June, 1st September, and 1st December.
Veterinary stores... ..	G 997	
Stable necessaries	G 997	
Stores required to complete equipment or to replace unserviceable articles not otherwise provided for in this list	G 997	} Monthly.
Materials for cleaning and preserving small arms	G 997	
Gun and howitzer ammunition... ..	G 988	} When necessary.
Small arm ammunition	G 815	
Camp equipment	G 968	
Surveying and drawing instruments (R.E. only)	G 1017	

When small quantities of camp equipment or material for repair are required, A.F. G 997 will be used in lieu of the special forms.

Indents for material for the repair of Weedon Section articles held on inventory charge will be submitted to the officer in charge of barracks.

25. To obviate the necessity for intermediate indents, the C.O. will cause an inspection of the equipment to be made before the monthly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied as detailed in the several sections of E.R., Part 2.

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1922

When accoutrements are lost, or arms are damaged to such an extent that the armourer cannot repair them, the wants may be temporarily met by using the equipment of men who are for the time non-effective.

26. When indents are rendered on dates other than those laid down in paragraph 24, a statement will be forwarded for the information of the G.O.C., showing why the requirements were not foreseen and why the supply could not wait until the next periodical indent is rendered.

27. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for the new equipment, but a C.O. will not demand any article from store on account of a preference which he may have for a particular pattern.

28. When a unit is ordered abroad, indents will at once be submitted for any articles required to complete the equipment of the unit in accordance with the scales authorized for the particular service.

29. Until a C.O. has satisfied himself that articles are thoroughly unserviceable and cannot be repaired by the means at his disposal he will not forward indents for their replacement.

Special authority will be required for the exchange of serviceable equipment or of equipment which can be repaired regimentally by military tradesmen.

30. Indents and vouchers for equipment for the use of detachments will be signed by the O.C. the unit, unless the officer in command of the detachment is a direct accountant.

When stores are issued the O.C. the detachment will furnish the O.O. with a temporary receipt, and will be responsible for the stores until vouchers have been passed.

When stores are urgently required the O.O. will make the issue at once, the O.C. the detachment taking the necessary steps to procure a covering indent.

31. A free initial issue of a revolver, binoculars and prismatic compass, will be made to officers as laid down in Appendix XXX., on first appointment to permanent commissions in the regular army.

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32. Small arm ammunition and service-pattern articles which form part of an officer's regulation kit as shown in the Field Service Manuals, also surveying and drawing instruments necessary for carrying out his military training and education, and which he may require for his own personal use, may be issued on prepayment.

Saddlery and stable necessities may, when stocks admit, also be issued on prepayment to officers up to a limit of (a) two sets of saddlery ; (b) stable necessities for four horses. This limit will extend to the entire period of the service of an officer.

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The indent for saddlery and stable necessities will be accompanied by a certificate by the officer concerned, countersigned by his C.O., to the effect that the articles are required for his personal use, and that the limitation referred to in the preceding subparagraph has not been exceeded.

Carbines and rifles may be issued under the conditions laid down in Appendix XXIV.

Other articles will not be issuable on payment to officers without War Office authority.

33. The value of stores issued on payment, and of ammunition issued under paragraphs 205 and 206, will be recovered by the command paymaster in whose area the issuing officer is stationed.

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One copy of the priced voucher will be forwarded to the command paymaster, and two copies to the O.C. the unit to whom the issue is made. On receipt of the priced vouchers, the O.C. the unit will forward one copy together with a remittance for the value of the stores shown thereon to the Cashier of the Command. The command paymaster will then return one copy to the O.O. duly endorsed with a reference to the account in which credit to the public has been given ; the other copy will support the credit in the command paymaster's account.

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34. When articles comprising two or more component parts become damaged, and the undamaged component can be used again, special care will be taken when formulating demands to ask only for the components that are actually required.

35. Stores for maintaining equipments or for special services are not to be appropriated to other purposes without special authority obtained through the C.O.O.

36. The supply of all equipment, except ammunition, due to units proceeding from one district to another, is dealt with in R.A.O.S., Part I.

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37. Units, other than those of R.E. and R.A.S.C. moving to and from all stations at home and abroad (except India) will, unless otherwise specially ordered, be accompanied by the whole of their peace equipment except (a) that field guns will not be taken by R.A. to and from stations abroad unless special instructions to the contrary are issued, and (b) as laid down in paragraphs 39, 63, 64, 66, 94, 144, 266, 308 and 406.

Instructions as to moves to India are given in Appendix II., paragraph 6.

38. On change of stations by R.E. units and R.A.S.C. companies, only the following will be taken :—

- (a) Personal arms and equipment.
- (b) Machine guns complete with appurtenances.
- (c) Signalling and telephone equipment, watches, compasses and binoculars.

- (d) Farriers, saddlers and bicycle tools, stamps and marking appliances.
- (e) Maps and books for education instructional purposes, except the units' library.

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All other stores, except bicycles (*see* paragraph 308) and small-arm ammunition for escorts (*see* paragraph 66) will be left behind by outgoing units, and taken over by incoming units.

Any stores due from R.A.O.C. to outgoing units, to complete or to repair equipment left behind, will be issued to relieving units.

In the case of exchanges within the British Isles an officer, and if necessary a N.C.O., of each unit will proceed in advance to the new station to take over the stores left behind by the outgoing unit. The transfer of stores will be conducted under paragraph 102.

39. The units' library, and chemical and physical sets will not accompany units on change of station.

40. Vehicles in possession of units or held by R.A.O.C. as mobilization equipment should always be complete with the authorized proportion of components, accessories, spare parts, and vehicle equipment.

For complete list of components and accessories see "Table of Components, Accessories, and Spare parts for Service Vehicles." The components detailed in Appendix XV represent only those articles which are loose or readily detachable, and are published for the purpose of enabling the completeness of the vehicle to be ascertained.

Appendix XV contains a complete list of the accessories, spare parts and cart and wagon equipment of General Service vehicles ; for details of R.A., R.E., and R.C.S. technical vehicles *see* E.R., Part 2, Sections X, XI, and XII.

41. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the ordnance depot, arrange for their conveyance.

B.—RECEIPT AND INSPECTION OF EQUIPMENT.

42. When equipment is received by the troops, the officers or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition, and that sealing labels where used, are not broken, but whether in external good order or not, all packages must be immediately weighed and compared with the weight marked on the outside.

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Should the weights differ, or packages appear to have been tampered with or damaged in transit, the contents will be examined and compared in the presence of the carrier's representative with the packing note which each package should contain. Any damage or deficiency must be recorded on the carrier's note or bill of lading, and confirmed in writing on A.F.G. 978.

Where it is not possible to comply with these instructions in full, the receipt given should be qualified by the term "Unexamined." The stores should be examined as soon as possible, and a written report of any deficiency or damage made to the carrier and

consignor within *three days*; unless this is done the carrier will not accept liability. Subsequent investigation and recovery of the value of the loss or damage from the carrier will be made through the R.A.S.C. Officer i/c Transport of the sub-district.

43. The articles will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the C.O., or an officer deputed by him.

44. The equipment will be carefully inspected, to verify that the articles delivered agree with the particulars in the vouchers and that they are correct in point of quality and pattern. Articles received by number and weight will be both counted and weighed.

45. Should the precautions in the preceding paragraphs be omitted, the officer receiving the stores will render himself liable for any discrepancies.

46. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the C.O., after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the O.O. by whom the issue was made.

47. In the report of any discrepancy, the fullest information will be given, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes.

48. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the C.O. before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the articles will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

49. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened until the contents are required for use. These cases with their contents, as well as packages containing small arm ammunition and gun-powder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used will be at once reported, and all details upon the cases will be quoted.

50. Cinematograph films in possession of units will always be stored in the metal transit cases in which they are received from the R.A.O.C., and when returned to R.A.O.C., or sent elsewhere, they must be despatched in the metal transit cases.

51. In cases in which the reports of C.Os., or others bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the G.O.C. considers further action necessary.

52. A C.O. in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will

also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

C.—RETURN OF EQUIPMENT.

53. Whenever it becomes necessary or advisable to return equipment to the R.A.O.C., C.Os. will make application to the C.O.O. to receive them, stating their description, number, and the reasons, and authority (if any), for returning them to store. The C.O.O. will add his instructions and return the document to the unit, by whom it will be attached to the voucher on which the stores are charged to the R.A.O.C. When guns and mountings for drill, practice, time, saluting, or instructional purposes, are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, &c., in armaments, and batteries of Artillery, should take place without previous reference to the War Office, unless under very exceptional circumstances, when the matter should be immediately reported.

54. Unserviceable or obsolete stores on charge of a unit may, under the authority of the G.O.C., obtained through the C.O.O., be disposed of locally, to save the expense involved in transporting them to the nearest ordnance depot for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows:—

- (a) The condemnation of stores will not be effected by the unit on whose charge they are held.
- (b) Whenever possible, the condemning authority should be either an O.O. or a garrison board.
- (c) At remote stations where there are insufficient officers to form a garrison board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in sub-paragraph (b). In such cases the G.O.C. may instruct a competent military officer to examine the stores and, after consideration of his report, authorize their condemnation and local disposal. Officers should not be specially detailed for this duty, if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.
- (d) All instructions for the disposal of stores will be given by the C.O.O.

55. When stores are returned to the R.A.O.C., vouchers will be prepared by carbon process on A.F. G 1033 and forwarded in triplicate. A separate voucher will be prepared for each vocabulary sub-section, and each sheet will bear the regimental or corps office stamp. The vouchers will be signed by the consignor, and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been received. When stores are

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Equip. Regs. 520 | passed to other accountants, the vouchers will be forwarded in duplicate only. Copies of vouchers required under the cost accounting scheme are not included in foregoing instructions.

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E.R. 520. | 56. When stores are returned from a distance, vouchers will be sent by post, on the same day that the stores are despatched, to the O.O. to whom they are consigned. The number and date of the order directing the return of the stores will be inserted in the headings of the vouchers, and a corresponding number and date will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify it immediately on receipt. The vouchers will also quote the number and date of the carrier's or convoy note on which the stores were despatched. Each case, bale, or package will be weighed, and the weight marked upon it.

E.R. 520 | 57. C.Os. will make their own arrangements for conveyance (as in the case of issues, *see* paragraphs 41 and 59), when returning unserviceable and surplus equipment to R.A.O.C.

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Scottish 1906 | 58. When consigning stores, &c., C.Os. will arrange that packing cases and chests not securely fastened with hoop-iron bands, are sealed with labels (A.F.G. 1018), which will be securely pasted over the external junctions of the bottom and body, and lid and body of the cases, &c. The labels when put into use will, for identification purposes, be impressed with the consignor's regimental or office stamp.

These instructions will not apply to packages containing explosives already sealed with explosives labels, or to boxes containing such stores as horse shoes, nails, &c., which are not liable to theft.

59. When a unit is quartered at a station where there is an ordnance depot, issues of equipment such as small arms, accoutrements, harness, packsaddlery, saddlery and parts of bicycles, to replace similar unserviceable articles, will not be made until the unserviceable articles have been returned to the R.A.O.C., inspected, and condemned. The day and hour for return of unserviceable equipment and for issue of new equipment will be arranged by communication between the O.O. and the C.O.

60. When no ordnance depot exists at the station, the unserviceable articles will be returned to store as soon as possible after receipt of the new equipment. Corps marks will not be placed upon the new equipment until a notification is received from the O.O. that the articles returned are considered to be in a state for condemnation. The inspection and notification by the R.A.O.C. will be carried out immediately the stores are received. Should any of the equipment so returned be found to be still serviceable, or capable of repair by military tradesmen, the C.O.O. will call upon the C.O. to furnish an explanation for the information of the G.O.C., who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the unit, and the new articles will be

returned to the R.A.O.C., the cost of carriage unnecessarily incurred being defrayed by the C.O.

61. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the C.O.O. will bring the same to the notice of the G.O.C., who will determine, by means of investigation by a board of officers, or otherwise, whether the troops are liable.

62. No reduction in any authorized equipment will be made except as permitted by E.R., Part 2, Section XII(a), without the sanction of the War Office, but if, owing to an authorized reduction, or any other cause, officers who are accountants have on charge surplus equipment not likely to be again required within a short period, the G.O.C. will decide whether they shall be retained or returned to store. When a reduction in the establishment of men or horses is authorized, the articles to be disposed of will be the actual complete sets of equipment in use by or held for the men or horses.

63. Units will, on change of station, obtain the authority of the G.O.C. for the return to R.A.O.C. of such stores of a bulky nature as can temporarily be dispensed with.

On receiving the stores the O.O. will furnish the C.O. with a certificate of their quantity and condition. This certificate will be attached to the indent for equivalent supplies at the new station.

64. When it is not advisable to return these stores, as for example, should there be no ordnance dépôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will be taken with the unit, and public conveyance will be provided; but if this is impracticable, and expenses are incurred for carriage from one station to another, the charge must be supported by a list of the stores, and a certificate from an officer of the R.A.S.C. to the effect that army transport could not be provided.

65. All equipment issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless it is required to be handed over to the incoming unit, when the transfer will be effected through the R.A.O.C.

66. Except in the case of mobilization, the small arm ammunition in charge of troops, whether equipment or practice, will be returned to store previous to their departure from a station, with the exception of a sufficient quantity to provide guards and escorts with 20 rounds of small arm ammunition for each man. If no ordnance depot exists at the station, it will be handed over to an officer of the R.A.O.C. deputed to receive it, who will at once note on the vouchers the condition in which it was received by him. Equipment and practice ammunition are to be shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be the authority (except as regards ammunition authorized under paragraph 201) for the unit to draw a similar quantity at the new station (see paragraph 209). Small arm ammunition returned to store in

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boxes with unopened linings will be available for re-issue to other units, and cannot be objected to.

67. When stores are issued on loan from the R.A.O.C. (as for instance, for the service of moving ordnance on re-armament), the C.O. to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

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68. C.Os. are responsible for seeing that all packages received with equipment of any kind are handed over to the R.A.O.C. as soon as they can be dispensed with.

69. As at stations where there is no Army Ordnance depot a consignment of cases, &c., from a single unit might be insufficient to obtain the lower rate of freight, Os.C. troops will, subject to para. 53, arrange, monthly if necessary, for all empty packages to be sent in one consignment to the ordnance depot concerned. Each package will have clearly marked upon it the name of the consigning unit.

70. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store depots, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, &c., being left among stores of any kind.

71. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

72. Instructions regarding the conveyance of stores, &c., sent away from consignor's station will be found in King's Regulations and in the Regulations for Supply, Transport and Barrack Services.

73. When articles are returned to store in packages, a packing note on A.F. G 1028, signed by the packer and also by the person witnessing the packing, will be placed in each package.

74. When stores are forwarded under escort or by convoy, convoy notes, A.B. 158, will be prepared in triplicate, detailing bundles, bales, packages and loose articles, and signed by the officer despatching the stores. These notes will be handed to the O.C. the escort, or to the conductor, who, after satisfying himself that the packages, &c., are correct, will receipt one copy and return it to the consignor.

On arrival at the destination the convoy notes will be handed to the consignee, who will return a receipted copy to the O.C. the escort, or to the conductor.

When there is a discrepancy between the packages, &c., actually received and those detailed on the convoy notes the necessary enquiries will, if possible, be made before the O.C. the escort, or conductor is discharged. The convoy notes will be amended to agree with the stores actually received.

Issue vouchers will be passed in the ordinary way for stores forwarded by convoy or under escort.

75. The fired cases of small arm ball and blank, and .22-inch R.F.

cartridges supplied gratuitously will be brought on equipment ledger charge by certificate receipt voucher in the proportions shown below, and returned to the R.A.O.C. The cases will be brought on charge by weight and not by numbers. A.O. 414
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Nature of ammunition.	Weight to be brought to account per 1,000 rounds expended.	
	lbs.	
·22-inch R.F.	1½	A.O. 414 1922
·303-inch ball	24	
·303-inch blank	12	
Revolver, ·455-inch, ball and blank ...	9	A.O. 43 1923

The rates to be charged for any deficiencies in the above proportions for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be notified half-yearly to A.Ds.O.S. and C.O.Os. by the D.O.O. These rates will be notified in Command Orders. A.O. 414
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The number and date of the ordnance voucher on which the cartridges were received will be quoted on the payment voucher of the officer charging the value of the empty cases.

Charges and refunds under this paragraph will be adjusted in the accounts of the command paymaster.

76. Cases will be returned to store in the empty ammunition packages, once a quarter, and C.Os. will not return a less weight than that representing 1,000 cases, except in the last quarter of the accounting year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed, and that no live cartridges are included in them. Each package will contain a packing note on A.F. G 904, showing the rank, name, and unit of :—

- (a) The person by whom the cartridge cases were sorted and packed.
- (b) The responsible individual supervising the sorting and packing operations.

If live cartridges are found in any of the packages, the matter will be reported to the G.O.C. for such disciplinary action as he considers necessary.

77. The foregoing general instructions apply equally to chargers and bandoliers issued with ball ammunition.

Chargers will be written off charge by numbers at the same time as the expended ammunition and brought on charge (by weight) by certificate receipt voucher with the fired cases; the weight to be brought to account in respect of each 1,000 chargers will be 27 lbs. A.O. 342
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Bandoliers will not be written off charge when ammunition is expended.

Vocabulary rates will be employed in calculating—

- (a) Charges for deficiencies.
- (b) The sum to be refunded to units for chargers and bandoliers returned from issues of ammunition on payment. No refund will be made for chargers returned in an unserviceable condition or for bandoliers unfairly damaged.

The cardboard boxes employed for charger packed ammunition will be disposed of locally.

78. 100 "Bandoliers, cotton, 50 rounds" may be permanently retained by each unit of regular cavalry and infantry for the purpose of practising the supply of small arm ammunition in the field.

79. After filled grenades have been thrown, safety pins and rings, levers and base plugs will be collected as far as possible and returned to the R.A.O.C.

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D.—ANNUAL INSPECTIONS.

80. The O.C.R.A., the C.R.E., and the C.O.O. will at least once a year, or whenever necessary, make a joint inspection of works, magazines, storehouses, workshops, &c., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

E.—BOARDS OF SURVEY AND COURTS OF INQUIRY.

81. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

82. When equipment of any kind is lost, destroyed, or injured, and it is a matter for consideration (owing to responsibility not being clear, or the charge being demurred to by the person held responsible, or for other reasons) on whom the expense of replacing or repairing them should fall, the course laid down in King's Regulations will be followed.

83. All reports to the G.O.C. of loss, destruction, &c., of ordnance stores will be sent to the C.O.O., and will be accompanied by A.F. G 998 in duplicate, completed in strict accordance with the instructions contained thereon.

84. All questions of loss or damage will be dealt with in the command in which the unit concerned is serving at the time the report of the loss or damage is made, irrespective of the command in which the loss or damage may have occurred.

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85. After a decision has been obtained, the C.O.O. will forward a copy of the same to the O.C. the unit concerned to serve as his authority to write off the stores and to indent for new ones to replace. If the matter has to be referred to the War Office, the indents for stores required in replacement will be put forward without waiting for the War Office decision.

The registry number and date of the decision of the G.O.C. or of the letter to the War Office will be quoted on the indents.

86. In cases where a court of inquiry is ordered by the G.O.C., an officer of the R.A.O.C. who is not the C.O.O. will, if available, be detailed to serve as a member of the court. The proceedings of such courts will be transmitted in duplicate, by the president, direct to the C.O.O.

87. When a damaged arm or barrel is sent to the C.I.S.A. for special report, a label stating the circumstances and giving the reference number and date of any War Office orders, or proceedings of courts of inquiry, will be attached to the arm or barrel for identification.

88. If the loss or damage has occurred when the R.A. have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight lifted, the distance through which the stores were to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

89. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the R.A., R.E., R.C.S., or any particular service, the G.O.C. will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in King's Regulations dealing with these subjects.

90. Surveys on the equipments of troops proceeding to or returning from India will be held in accordance with the instructions in Appendix II.

F.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

91. Every officer receiving equipment, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper army forms for all articles leaving his charge.

92. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paragraphs 96 and 251. Detailed instructions for keeping these ledgers are given in Appendix I.

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93. All articles (including the drawing instruments referred to in para. 291, typewriting machines, duplicators, educational stores, &c.) authorized for use at headquarters of stations or commands will be accounted for by an officer to be nominated by the G.O.C.

94. Stores supplied for education instructional purposes will be accounted for as follows :—

- (a) *For schools* by education officer i/c school.
- (b) *For cavalry regiments, infantry battalions, and regular tank battalions*, in the regimental equipment account.
- (c) *For artillery brigades* in the equipment account of one of the batteries of the brigade. The latter should be designated by the O.C. brigade.
- (d) *For other formations* by the education officer i/c district. In these cases, issues to units in the district other than those referred to above will be made on temporary receipt and not written off charge in the district account. The education officer will keep a distribution book showing the stores held by each unit.

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Maps and books for education instructional purposes will accompany units on all changes of stations at home and abroad (except India). All other educational stores will be left behind for the relieving unit.

95. Equipment accounts will not be kept by units of the Expeditionary Force while on active service in the field.

96. Materials for repair and other consumable articles (except explosives, ammunition, and consumable stores drawn for W.D. vessels and military engineering) drawn upon regulated scale for peace use will not be taken on charge in the equipment ledgers (see paragraph 369); but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. Packages not already charged by voucher, including those from the Stationery Office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

97. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities expended will be written off charge by vouchers signed by the C.O. as follows :—

- (a.) *Gun ammunition (including blank ammunition fired from guns on fixed mountings).*

R.G.A. other than Medium batteries.—As directed in E.R., Part 2, Section XII. (a).

Horse, Field, Pack, Medium and Heavy batteries.—One voucher on A.F. P 1926, at the conclusion of each training season.

Tank Corps.—One voucher on A.F. P 1926, at the conclusion of each training season.

(b.) *Blank gun ammunition other than that fired from guns on fixed mountings.*

Vouchers should be prepared as follows—one voucher dated 31st March and another dated 31st August. When the account is closed for audit on any date other than 31st March or 31st August (see para. 1, Appendix 1) a third voucher, up to the date of closing, will be prepared. Each voucher will show the expenditure since the last write off.

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When a unit leaves a command a further voucher, showing the expenditure to date of departure, should be prepared.

(c.) *Small arm ammunition other than that referred to in sub-paragraph (d).*

(i.) One voucher dated at the end of the weapon training year and another dated 31st March. When the account is closed for audit on any date other than March 31st or the end of the weapon training year (see para. 1, Appendix 1) a third voucher up to the date of closing will be prepared. Each voucher will show the expenditure since the last write off and should contain particulars of the numbers exercised during the weapon training year as follows—

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303-inch ...	{	The number of trained officers and men.
		The number of recruits (officers and men).
		The number of recruits who have also fired the course for trained soldiers.
		The number of machine guns from which practice is carried out.
22-inch, R.F.	{	The number of trained soldiers (rank and file only).
		The number of recruits (officers and men).
455-inch revolver	{	The number of officers, &c., first year and subsequent years being shown separately.

References should also be given to the paragraphs of these regulations or other authorized scales of expenditure covering the issues.

A copy of the authority of the Commander of Coast Defences should be annexed in support of expenditure under paragraph 211 (2).

(ii) The quantities shown on these vouchers must accord with the expenditure recorded in the unit's musketry return and its diaries of ammunition expended—A.Bs. 99 and 100—which must be produced for audit when required.

(d.) *303-inch blank ammunition except that allowed for machine guns.*

Vouchers will be prepared quarterly, the number and date of the order allotting the ammunition being quoted.

98. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded monthly in accordance with paragraph 24; the unserviceable articles will be returned to the R.A.O.C., and the deficiencies written

off charge on A.F. P 1925 at the end of each month. The value of the lost or unserviceable stores (see paragraphs 104 and 105) will be credited to the public in the pay list on A.F. P 1963. The equipment issue voucher for the stores struck off charge will give a direct reference to this credit, and the indent for stores in replacement will quote the equipment issue voucher.

99. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorized by the G.O.C. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

100. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced will be obtained as laid down in paragraph 85.

101. All stores disposed of locally under paragraph 54 will be written off charge in the equipment account by certificate voucher on A.F. P 1957. The command paymaster, through whom the matter has been adjusted, will duly certify this voucher, and the C.O.O. will approve it before the stores are delivered to the purchasers.

102. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the G.O.C. obtained through the C.O.O. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an O.O. should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one C.O. to another on a change of command, which are governed by paragraph 14, nor to the transfer of mobilization equipment from one unit to another, on relief, under paragraph 163.

103. Os.C. the following detachments will become direct accountants for their equipment:—

(a.) Detachments left behind by units proceeding on active service.

(b.) Detachments serving abroad, and separated from their headquarters for lengthened periods and by considerable distances.

(c.) Detachments of R.E. and R.C.S. serving abroad belonging to companies, &c., serving at home, or *vice versa*. Detachments of R.E. and R.C.S. serving at home, belonging to companies serving at home, will be governed by paragraph 25.

(d.) Detachments of the Tank Corps, R.A.S.C., R.A.M.C., and R.A.O.C. stationed abroad.

(e.) Detachments of the R.A.P.C. at home and abroad.

On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from

the unit or units furnishing the men. The G.O.C. will report to the War Office the circumstances rendering the opening of a fresh account necessary.

104. A soldier who, by neglect or culpable mismanagement, loses or damages any article of personal or public equipment will, subject to paragraph 105, be charged as follows, unless he elects to be tried by court-martial:—

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- (a) *Repairable damage*.—Actual cost of repair, including both wages and materials or components. If the cost of repair exceeds the amount which would have been chargeable had the article been damaged beyond repair, the G.O.C. may, at his discretion, authorize the less amount to be charged against the soldier. As regards small arms, the charges will be in accordance with the scale laid down in R.A.O.S., Part I.
- (b) *Loss or damage beyond repair*.—75 per cent. of the vocabulary rate for the article, unless it is established by evidence that the actual value, which will then be charged, is less.

105. Provided that the amount charged against the soldier is in accordance with the rules of assessment laid down in paragraph 104, C.Os. may dispose of all losses, &c., except that—

- (a) If the amount proposed to be recovered from any soldier exceeds £4, the approval of the G.O.C. must be obtained.
- (b) If it is proposed to allow any portion of the loss, &c., to fall on the public, the matter must be dealt with under King's Regulations.

106. The authority of the C.O.O. will be sufficient for any charge in the pay lists on account of equipment. Recoveries from officers will be adjusted in the accounts of the command paymaster.

107. When articles are ascertained to have been lost by desertion they will be struck off charge by a certified copy of the proceedings of the court of inquiry (A.F. B 115), held under Section 72 of the Army Act.

108. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

109. A deserter rejoining will, by sentence of a court martial, or award of competent military authority dispensing with his trial, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

110. At the end of each month a return will be prepared on A.F. P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 104 to 109. The stoppage returns will be made out by squadrons, batteries, or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the

month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

111. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

112. The undermentioned articles will not be brought on charge in equipment ledgers of units :—

(a) Camp equipment, which will be accounted for to the R.A.O.C. as laid down in paragraph 251.

(b) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (A.B. 165).

(c) Barrack stores, held on inventory from O. i/c barracks, or issued by the R.A.O.C. for use in camps. The latter will be accounted for as at (a).

(d) Stationery, army forms and books.

113. Official books, printed records, and maps obtained from the R.A.O.C. will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

114. Accountants will furnish with their periodical accounts a certificate to the effect that the list or catalogue alluded to in paragraph 113 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

115. On changes of heads of departments, staff officers, or C.Os., the officer assuming charge will verify the lists and report any deficiencies.

SECTION III.—SMALL ARMS, ACCOUTREMENTS, AND ARM CHESTS.

A.—GENERAL SUPPLY OF SMALL ARMS AND ACCOUTREMENTS.

116. The small arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in E.R., Part 2.

117. Ration bags will be held with the mobilization equipments of units allotted to the Expeditionary Force on the scale of 1 for each officer, warrant officer, N.C.O. and man.

118. Units will always have, during peace, small arms and accoutrements for their full peace establishment.

119. Small arms, accoutrements, and steel helmets being regimentally marked may not be transferred from one unit to another except in time of war, and as provided in paragraphs 138, 139 and 302, and in the case of warrant officers equipped with Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer.

Accoutrements taken by warrant officers, N.C.Os. and men proceeding on furlough or for courses of instruction should be retained

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on equipment ledger charge by the units to which the men belong, and included in the statement referred to in the third line of the C.Os. certificate at the end of the equipment ledger when closing that account.

Helmets will be taken by officers on all moves (except India). The necessary vouchers will be passed in the case of transfer between accounting units. Helmets in the possession of officers who are posted to the War Office or to non-accounting units for duty, will be written off charge by certificate issue voucher. When officers are re-posted to accounting units, their helmets will be taken on charge by certificate receipt voucher.

120. Extra service small arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to units temporarily augmented. Small arms so issued, being specially marked, will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the unit leaves the station, unless it is necessary to send them away with armed drafts, in which case a return of the number of small arms sent away and of their marking will be rendered by the C.O. to the R.A.O.C. These small arms will be shown in returns and accounts as "extra service" small arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

121. Officers, warrant officers, N.C.Os. and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied, temporarily, with small arms taken from those issued for the rank and file.

The same course will be followed when small arms are required by such ranks for use at voluntary practice or at authorized rifle meetings.

G.Os.C. will be responsible for securing that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the small arms is prevented.

122. Drill purpose small arms should only be demanded for the training of recruits, and in the case of infantry battalions should not be permanently retained, unless there is a reasonable prospect of their being required for frequent use.

They must not be used for ball firing.

123. No charge for damages will be made for D.P. or E.Y. arms except for such as are manifestly wilful.

124. Service swords will be used for all exercises except mounted combat.

"Swords, practice, gymnasias" will be used for mounted combat by all units.

125. All the small arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially detailed for that duty by the C.I.S.A. An application for the services of a viewer for this

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purpose will be made by the O.C. the unit concerned, through the G.O.C.

126. The viewer will report specially on the condition of the small arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the small arms have been caused by neglect, or by fair wear and tear due to exceptional service, or to the effects of climate.

127. In all reports relating to rifles, the number of the small arm and the name of the factory at which it was manufactured will be stated. The number of the rifle and the name of the factory will be found stamped on the body.

B.—SMALL ARMS, ACCOUTREMENTS, AMMUNITION, AND STORES FOR TROOPS AND ANIMALS ON BOARD SHIP.

128. When a G.O.C. is notified from the War Office of the numbers of men and animals to be embarked for service abroad in a vessel commencing its voyage from a port in his command, he will cause full details to be immediately furnished to the C.O.O. nearest to such port.

129. The C.O.O. will—without indents from C.Os.—cause small arms, accoutrements, ammunition, and other stores, in accordance with the scales prescribed in Appendix III, to be placed on board for the whole of the troops and animals to be embarked, regardless of whether they all join the vessel at the port from which it commences its voyage, or are subsequently embarked at other ports, and irrespective of the stations at which they may be located when detailed for embarkation. The date upon which the vessel will be ready for the reception of the stores will be notified from the War Office to the G.O.C.

130. Before the vessel leaves the initial port of embarkation, the O.C. troops will satisfy himself that the authorized proportions of equipment and clothing, as laid down in Appendix III, have been placed on board, and that the ammunition has been properly secured in the magazine.

131. He will be responsible for the care and custody of this equipment and clothing during the voyage, and will see that they are duly accounted for in accordance with the following instructions:—

- (a) When an acting quartermaster-serjeant is appointed to the ship, the equipment and clothing will, under the superintendence of the O.C. troops on board, be entered by him in A.B. 165 in the form of an equipment ledger (see Appendix I). He will compile the account and report to the O.C. troops any deficiencies as they occur, to enable the necessary action to be taken in accordance with sub-paragraph (c).

The O.C. Troops will at the end of his period of command see that the account is properly balanced for the period, and will render a certificate to this effect for submission

with the account. He will be responsible for seeing that completed vouchers and any correspondence relating to deficiencies, etc., are put up in support of the account, and that all documents and certificates are passed to the acting quartermaster-serjeant to be handed over to the next O.C. Troops.

- On the termination of the final voyage of the season, the ledger will be balanced and forwarded to the local auditor. The articles remaining on charge will be handed over to the nearest ordnance depot by the store accountant on board ship, issue vouchers being passed. Books will not be accounted for in the ledger. They will be vouched "within the line" when issued from, and returned to R.A.O.C. store.
- (b) When an acting quartermaster-serjeant is not appointed, the C.O.O. at the issuing station will forward a list of the articles issued, to the O.O. at the terminal port of disembarkation, when this can be ascertained. The O.C. troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the articles to the O.O. nearest to the port at which the vessel completes its voyage.
 - (c) In either case, (a) or (b), the O.C. will, when ammunition or any other equipment has been expended during the voyage, give a certificate to the effect that such expenditure has been necessary, detailing the circumstances. Deficiencies (including deficiencies of books) will be dealt with as laid down in King's Regulations. The O.C. may, after due enquiry, authorize the write off of equipment or clothing up to the limit of £5 in value. Certificates relating to expended articles and correspondence respecting deficiencies, will be attached to the voucher bringing the remainder of the equipment and clothing on charge in the R.A.O.C. accounts. If any articles are disposed of *en route* at intermediate ports, the O.C. will obtain temporary receipts and attach them to the original vouchers.
 - (d) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the articles off charge.
 - (e) In the case of Indian transports, sums recovered from the troops in respect of losses or damages during the voyage will be credited as follows :—
 - (i) At the end of the outward voyage { To the Presidency Paymaster at Bombay, or to the paymaster at Karachi.
 - (ii) At the end of the homeward voyage { To the Command Paymaster of the port of disembarkation.

All vouchers and claims in connection with (ii) will be endorsed in red ink "Indian Troop Service Accounts."

132. In addition to the articles detailed in Appendix III, the C.O.O. will arrange that 300 pairs of canvas deck shoes are placed on board each Imperial and each Indian transport. They will be handed over to the master of the vessel for sale to the troops as required, and will be accounted for by him to the Director of Transport, Admiralty. Immediately the shipment has been effected, the C.O.O. will furnish a report direct to the Director of Transport, Admiralty, upon a form similar to that shown in Appendix III. Deck shoes will not be placed on board freight ships.

C.—SUPPLY FOR ARTILLERY CLERKS, ESTABLISHMENT FOR ENGINEER SERVICES, MILITARY POLICE, &c.

133. Small arms, accoutrements, &c., will be demanded and accounted for in the case of:—

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Armourers and Armament Artificers, R.A.O.C.—by the O.C. the unit to which they are attached.

Artillery Clerks—by the O.C. the brigade or battery to which they are attached.

Warrant Officers and N.C.Os. on the Establishment for Engineer Services, and Serjeant-Instructors of Gymnasia—by the staff (or other) officer under whom they are serving.

Military Police, Aldershot—by the Commandant, Corps of Military Police, Aldershot.

Military Police at other stations—by an accounting officer at the station, to be nominated by the G.O.C.

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R.A.P.C.—by the paymaster under whom the men are serving.

Corps of Military Accountants—by the O.C. the unit to which they are attached.

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Army Educational Corps—by the O.C. the unit to which they are attached.

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134. The small arms and accoutrements of the warrant officers, N.C.Os. and men referred to in the preceding paragraph will be regarded as part of the equipment of the unit to which they are attached, and will be marked with the unit's corps marks and consecutive numbers. These small arms and accoutrements will remain on equipment ledger charge of the unit and will not accompany the warrant officers, N.C.Os. and men on transfer, except in the case of Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer, and as provided in paras. 138, 139 and 302.

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D.—R.A.S.C., R.A.M.C., R.A.O.C. (EXCEPT ARMOURERS AND ARMAMENT ARTIFICERS ATTACHED TO OTHER CORPS) AND R.A.V.C.

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135. The small arms and accoutrements of warrant officers, N.C.Os. and men of these units will not accompany transfers from one company, section or station to another, except in the case of Sam Browne accoutrements, which will accompany warrant officers, on all changes of station, and as provided in paragraphs 138, 139 and 302. They will be marked with company, section or station marks,

and consecutive numbers from 1 upwards in a series for each company, &c. For details of markings *see* Appendix XX., R.A.O.S., Part I. The abbreviations to be used for detachments will be in accordance with the Magazine Regulations.

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E.—UNITS PROCEEDING TO OR RETURNING FROM INDIA AND OTHER STATIONS ABROAD.

I. INDIA.

136. Units proceeding to or returning from India will be dealt with as laid down in Appendix II.

II. OTHER STATIONS ABROAD.

137. Units proceeding to or returning from other stations abroad will take their full establishment of small arms, accoutrements, steel helmets and complete respirators, even if under strength in personnel, except that haversacks, water bottles and mess-tins, with their component parts, as defined below, will only be taken for the actual strength of the unit :—

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- (i) If equipped with web equipment, pattern 1908 :—
 - Haversacks (with brace with buckle).
 - Water bottles (with carrier and brace with buckle).
 - Mess tins (with cover).
- (ii) In all other cases :—
 - Haversacks (with brace without buckle where necessary)
 - Water bottles (with carrier and shoulder strap).
 - Mess tins (with cover or strap).

F.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA AND OTHER STATIONS ABROAD.

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I.—INDIA.

138. The small arms and equipment of such drafts will be dealt with as laid down in Appendix II.

II.—OTHER STATIONS ABROAD.

139. Warrant officers, N.C.Os. and men proceeding as "drafts" will proceed without personal equipment, except that they will take respirators, haversacks, water bottles and mess tins as in paragraph 137 (i) or (ii). Sam Browne accoutrements will be taken by warrant officers where authorized under E.R., Part 2.

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140. When men are sent home for discharge, transfer to the Army Reserve, or as invalids, units will prepare separate vouchers (in duplicate) for the equipment of each man.

Men sent to Discharge Depot, Gosport.

Vouchers will be sent to the Commandant, who will take on charge the equipment of such men as are discharged or transferred to the Army Reserve by him. When men are sent on to other units for final disposal, the Commandant will transmit the vouchers to the O.C. the unit concerned.

Men sent to the Royal Victoria Hospital, Netley, or to the Herbert Hospital, Woolwich.

Vouchers will be sent to the officer in charge, who will take on charge the equipment of men found unfit for further service. When men are transferred to other hospitals or are found fit for further service, their equipment will not be taken on charge at Netley or Woolwich; the officer in charge will transmit the vouchers to the hospital or unit concerned.

G.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

141. Articles for musketry instruction will be supplied in the proportions shown in the several sections of E.R., Part 2.

They will be accounted for in the equipment ledger and returned into store upon embarkation for active service.

H.—SUPPLY OF ARM CHESTS.

142. Regimental arm chests or cases, with hinges, suitable for the packing of rifles are issued by the R.A.O.C. for use during peace, at the rate of one chest or two cases for each company of garrison artillery and each R.E. or R.C.S. unit; and two chests or four cases for each squadron of cavalry and company of infantry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in Allowance Regulations. These packages will only be supplied to the above mentioned services.

SECTION IV.—REGIMENTAL TRANSPORT.

143. The vehicles, harness and saddlery allowed to infantry battalions during peace under E.R., Part 2, Section I, are issued for instruction in transport duties, but they will be kept at all times fit for active service.

144. On change of station this equipment will be transferred to the relieving unit. In case of delay in the relief of one unit by another, the G.O.C. will arrange for the equipment to be temporarily transferred to the charge of another unit at the station or returned to R.A.O.C.

When necessary, this equipment may accompany units to camps, manœuvres, etc., under instructions from the G.O.C.

The use of travelling kitchens will, however, be restricted to Brigade Training, Divisional Training and Manœuvres.

The kitchens may be taken into use three days prior to the commencement of the training.

145. The equipment will be kept in repair by the military tradesmen of the troops at the station, as the G.O.C. may direct, under paragraphs 359 and 363. Materials for the repair of harness and saddlery in use with regimental transport will be supplied in the proportions detailed in Appendix XI. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office. (See para. 366.)

SECTION V.—MOBILIZATION EQUIPMENT.

146. Mobilization equipments will be stored in accordance with the latest print of the appropriate war equipment table published by Army Orders (*see* para. 23).

No corrections, other than those of nomenclature authorised by Lists of Changes in War Matériel, are to be made in tables except under instructions from the War Office.

147. When mobilization equipment is in regimental charge, the C.O. will be responsible to the G.O.C. that it is correct in every respect, and fit for service ; that the instructions given in R.A.O.S., Part I, as to custody and arrangement of mobilization stores are carried out with regard to it, and that, subject to the exceptions referred to in paragraphs 148, 149 and 150, no portion of it is taken into use without special War Office authority obtained through the G.O.C.

148. The G.O.C. may sanction the temporary use of vehicles belonging to their mobilization equipments by units in the following circumstances :—

- (a) When required to replace similar peace equipment vehicles which cannot be used until repaired.
- (b) All vehicles except water carts, when required for use on field days, at manœuvres or at camps of instruction.
- (c) Water carts when required for use on field days.

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These vehicles may only be used by the particular units for which they have been provided. Care will be taken that they are returned to store in a thoroughly serviceable condition when no longer required for use. (*See* paragraph 3.)

This authority does not apply to mobilization harness, requirements of which are to be arranged for locally.

149. Special articles of the technical equipment of R.E. and R.C.S. units, the fitness of which for service can only be verified and maintained by occasional use, may be used at the discretion of the O.C. the unit, to ensure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements, and they are to be kept quite separate from the peace equipment ; a book is to be kept by the O.C. the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used, and the condition after testing or use.

150. Once in each year the mobilization equipment in charge of units (except Q.F. ammunition, harness, saddlery, and packsaddlery), and where circumstances admit of it, the mobilization equipment held for units by the R.A.O.C. (with similar exceptions), will be drawn by them, and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed as far as practicable. Empty cases or dummies will be used on these occasions to repre-

sent any articles which are not available in the district, and old blankets in rolls of 20 as well as old camp kettles will be issued if possible in lieu of the new articles.

At the end of the course the unit will perform a route march with its transport packed as for service if arrangements can be made for horsing the vehicles, the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace, but the sets may be assembled in the storehouses to test the fitting of the various parts, or for instructional purposes. They are not, however, to be stored assembled.

151. Equipment stored in accordance with war equipment tables will be kept entirely separate from the peace equipment; on a unit quitting the station, such equipment will, in the absence of an order to the contrary, be handed over to the relieving unit.

152. War equipment tables of the latest editions will be kept with the equipment of units, and Os.C. units whose mobilization equipment is in charge of the R.A.O.C., will always have copies of these tables in their possession.

153. When mobilization equipment is in charge of the R.A.O.C. at or near the station of the unit, the C.O. will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the G.O.C.

C.Os. will arrange the date for these inspections with the C.O.O.

154. C.Os. having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in R.A.O.C. charge (*see* para. 153), will attach a certificate to A.F. B 89 or B 90, which is rendered half yearly, stating the date on which they last inspected the equipment.

155. On mobilization being ordered, the war equipment table will be the guide as regards the articles of equipment which a unit takes with it into the field. It is therefore of great importance that not only the equipment stored for issue on mobilization, but also such of their peace equipment as is, according to the war equipment table, required for war, should be at all times complete and serviceable.

156. The consumable stores allowed for war are regarded as being sufficient for a fortnight's use, and these quantities will normally be maintained by units in the field.

157. On 1st April and 1st October in each year, Os.C. units holding mobilization equipment will render a return in triplicate to the C.O.O. of the area showing all deficiencies that exist in their equipments and the action taken to complete the equipment.

Similar returns will be rendered by Os.C. depots regarding outfits held for army reservists.

The form shown in Appendix XXXI will be used for this return.

Nil returns will be rendered.

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158. A report on A.F. G 919 of the action taken to carry out alterations to patterns of war equipment whether in mobilization or peace charge, ordered by List of Changes, Army Orders or other War Office authority, will be rendered monthly by Os. C. units holding such equipment to the C.O.O. of the area.

Separate sheets of A.F. G 919 will be used for articles in mobilization store charge and for war equipment in use during peace.

159. When stores received from the R.A.O.C. in replacement of unserviceable peace equipment are in better condition or of later manufacture than those held on mobilization charge, the former will be placed in mobilization store and the latter taken into use as peace equipment.

When turnover cannot be effected by this method, the C.O. will bring to the notice of the C.O.O. of the area any articles which are considered unfit for prolonged mobilization storage. If, after investigation, the C.O.O. is satisfied that turnover is essential, he will authorize the C.O. to submit a special indent for the stores required.

No articles will be withdrawn from mobilization storage until corresponding articles are available in replacement.

160. With a view to facilitating turnover, and as a record of articles stored in mobilization equipments or reservists' outfits which are part worn or have been superseded by later pattern, or for other reasons it is desirable to exchange, officers holding these equipments will keep A.B. 333 completed to date. This book will be examined quarterly by C.O.O.'s and will be produced at all inspections of mobilization equipments.

161. The turnover of ammunition for R.H., R.F. and Pack Artillery stored in ammunition columns and battery equipments at home, will be carried out on the following lines:—

When in the same command, batteries will obtain their supplies for practice from the brigade or divisional ammunition columns so far as possible.

In all other cases, and to complete ammunition columns, indents for ammunition will be submitted to the C.O.O. of the area, who will, if necessary, refer to A.D.O.S. Provision to arrange supply.

Ammunition of the oldest date of manufacture is to be issued, except in the case of 13-pr. and 18-pr. Q.F. ammunition, when the oldest date of manufacture of cordite will be the governing factor. At the same time every endeavour will be made to arrange that the ammunition fired by each unit contains as few different lots of propellant as is practicable. Steps will be taken to ensure that, as far as possible, the newer ammunition to replace such withdrawals is available in the commands before the columns are depleted. In the event of supplies not having been received, issues will not, however, be delayed.

When any particular lot of cordite is being used, cartridges that have been tested should, if possible, be amongst the first fired,

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as they are not to be re-tested. Such cartridges are marked "Tested" and the packages are marked "Contains tested cartridges."

162. When sanction is given by the War Office for the transfer of mobilization stores from army ordnance charge to the custody of a unit, the O.C. the unit will be responsible that the stores are arranged in accordance with the regulations (*see* paragraph 147), and will, if necessary, apply to the C.O.O. for skilled labour for carrying out the service in the first instance.

163. When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual way, and should any discrepancies exist, full explanation of each will be afforded by the O.C. the outgoing unit.

164. All vehicles and spare wheels stored by units as mobilization equipment will be inspected once every three years by army ordnance artificers under the immediate supervision of the I.O.M.

All harness and saddlery stored by units as mobilization equipment will be inspected at similar intervals by an inspector or artificer of the inspection branch.

A permanent record showing the dates (year and month) of all inspections will be kept on A.F. G 1089,* which should be affixed to an inventory board to be hung up in each storehouse.

165. The instructions for the preservation of harness and saddlery given in Appendix XIV, and R.A.O.S., Part I, will be followed for the harness and saddlery stored as mobilization equipment. Special attention should be paid to seeing that the saddlery and harness is kept properly dubbed and in good condition.

Cleaning materials according to the following scale will be allowed for this purpose :—

Description.	Annual proportion for each		
	10 sets of harness (double).	10 sets of saddlery.	10 sets of pack-saddlery.
<i>Section No. 9A.</i>			
Dubbing lbs.	2	1	1
Naphthalene (a) ozs.	5	2½	4
Tallow lbs.	½	½	—
Varnish for bright work ... pints	⅓	⅓	⅓
<i>Old Stores.</i>			
Linen or cotton, old lbs.	1	½	½

(a) These quantities are only inserted as a guide in preparing indents; supply may be made as local circumstances require under the authority of the G.O.C.

166. The proportion of sizes, &c., of various articles of harness and saddlery to be stored in mobilization equipments—with instructions relating thereto—are detailed in Appendix XIII.

* A.F.G. 1090 will be used when stocks of A.F.G. 1089 are exhausted.

167. Spare articles on peace charge, if liable to be expended during peace, are not to be regarded as being available on mobilization.

168. Inventory forms (A.F. G 1096 series containing printed lists of components, accessories, &c.) will during peace be pasted on inventory boards issued with vehicles allotted to units as war equipment, and given a coat of varnish to protect them from damp.

169. The war allowances of consumable stores will be found, as far as possible, from peace stocks. Any stores not available from this source will be demanded from R.A.O.C. on mobilization being ordered.

These stores will not be drawn upon prior to embarkation. Any required for use during the mobilization period will be drawn from R.A.O.C.

Consumable stores in possession of units in excess of war requirements will be returned to R.A.O.C. prior to embarkation.

170. Horse shoe nails will be stored with every set of shoes held with mobilization equipments in the proportions laid down in paragraph 240. The war scale of frost cogs will be one set per animal. Scales of taps and wrenches will be as laid down in paragraph 241 (c).

171. Os.C. depots will be held responsible for the care and safe custody of such small arms and accoutrements as may be kept in store at the depots for issue to the army reserve. These stores will not under any circumstances be taken into use without previous authority from the War Office, and will be accounted for in a separate equipment ledger.

172. The small arms and accoutrements of reservists will be stored as follows :—

(i) Small arms will be stored in racks. Oil bottles will be stored empty in bulk. Pull-throughs and their gauzes will be tied separately in bundles and so stored.

(ii) Web equipment.—Each set will be stored with all its components placed inside the pack. The rifle sling (where allowed) will also be stored in the pack.

(iii) Water bottles, mess tins, breech covers and bandoliers will be stored in bulk in suitable packing cases.

(iv) In the case of cavalry, R.A., mounted R.E., R.C.S., R.A.S.C. and R.A.O.C., all items other than those referred to in sub-paragraph (iii) will be stored in the haversack.

173. Arrangements will be made for the examination of small arms stored for reservists to ensure that each individual one is inspected, and re-oiled on the outside, at least once in every three months. The insides of the barrels should be wiped out, examined, and re-greased with the diluted composition referred to in

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paragraph 174 once in 18 months ; but if any appearance of rust be observed in the muzzles at the quarterly inspections, such barrels should be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer. The services of the N.C.Os. of the regular establishment of militia battalions may be utilised for the performance of this work. These reserve small arms will also be periodically inspected by viewers detailed by the C.I.S.A. (*see also* paragraph 388).

174. The annual allowance of materials for the care and preservation of small arms stored for army reservists, will be as follows :—

77	Mineral jelly, red	...	...	lbs.	16	} For every 1,000 stand of small arms.
15	Oil, lubricating, G.S.	...	...	galls.	1½	
5472	Flannelette	...	...	yards	38	
	Sheeting, old...	...	...	lbs.	10	

The "mineral jelly, red" should be diluted with "oil, lubricating, G.S." (one part of mineral jelly to two parts of oil), and applied to the insides of barrels, and to that portion of the rifle holder which comes into contact with the rifle. "Oil, lubricating, G.S.," alone will be used for the working parts of the action and for the exterior of the barrels.

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175. Steel helmets held for reservists will be painted, and the scale of paint and brushes detailed in paragraph 418 is authorised for issue if, and when, they require painting.

176. An allowance of composition, preserving brown leather accoutrements, at the rate of—

- 1½ lbs. per 100 sets per annum for Royal Horse, Field, Pack and Medium Artillery ;
- 3 lbs. per 100 sets per annum for other units,

will be made for the preservation of brown leather accoutrements stored for reservists. An application of the composition once a year will, in ordinary circumstances, be found sufficient. The composition should be applied as directed in paragraph 412. Soap should not be used for this purpose.

177. Units existing in peace may make their own arrangements for the supply of private cooking apparatus for officers, in which case the number of camp kettles to be taken in the field will be reduced as detailed in the war equipment tables.

The weight of such apparatus must not exceed 6 lbs. per officer. It must be provided during peace, and maintained in a serviceable condition.

SECTION VI.—MACHINE GUNS.

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178. Machine guns will be issued to—

- (i) Stations at home and abroad to form part of the armament available for general or local defence. In cases where these machine guns would be liable to deterioration if left mounted, they should be kept in their chests in store, ready for immediate use.
- (ii.) Units and schools of instruction as detailed in the various sections of E.R., Part 2.

179.—(a) Vickers '303-inch machine guns forming part of the war equipment of regular units will be provided with four barrels, including the one in the gun, viz. :—

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- (i) Two new barrels distinguished by a band of white paint round the centre, to be kept in mobilization store and taken into use on mobilization, one in the gun and one as spare.
- (ii) One serviceable barrel for use in peace, for ball firing only ; to be returned to store on mobilization.
- (iii) One D.P. barrel for use in peace for drill purposes, or for firing blank only ; to be returned to store on mobilization.

Vickers '303-inch machine guns not used in peace should not be provided with barrels under (ii) and (iii).

(b) Lewis and Hotchkiss '303-inch machine guns forming part of the war equipment of regular units will be provided with five barrels, including the one in the gun, viz. :—

- (i) Two new barrels distinguished by a band of white paint round the centre, to be kept in mobilization store and taken into use on mobilization, one in the gun and one as spare.
- (ii) Two serviceable barrels for use in peace, for ball firing only ; to be returned to store on mobilization.
- (iii) One D.P. barrel for use in peace for drill purposes, or for firing blank only ; to be returned to store on mobilization.

Lewis and Hotchkiss '303 inch machine guns not used in peace should not be provided with barrels under (ii) and (iii).

180.—(a) Vickers '303-inch machine guns held on armament charge will have—

- (i) One mobilization barrel.
- (ii) and (iii) As in paragraph 179 (a) (ii) and (iii).

(b) Lewis '303-inch machine guns held on armament charge will have—

- (i) One mobilization barrel.
- (ii) and (iii) As in paragraph 179 (b) (ii) and (iii).

181. To ensure that machine guns are kept in readiness for immediate service, they will be examined periodically as under, by

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an armourer or armament artificer who has been through a machine-gun course at Artillery College, Woolwich, and any necessary repairs which can be done locally will be carried out :—

- (a) *Machine guns on charge of regular units (including armament)*—Monthly.
- (b) *Machine guns on charge of Militia units*—As detailed in E.R., Part 2, Section XVI.
- (c) *Machine guns on charge of units in store*—Working parts will be oiled quarterly and the machine gun examined generally. Once a year the machine gun will be stripped and thoroughly examined.

When an armourer or armament artificer is not available the service will be carried out under arrangements to be made by the C.O.O.

182. When the accuracy of the shooting of a machine gun fails, and the barrel appears worn, an accuracy trial will be carried out at 500 yards range with reliable ammunition, on a favourable day, by a good shot with the machine gun. The elevation and deflection required to bring all the shots on the target should first be found by means of trial shots, which will also give the barrel a chance of settling down.

Care must be taken that the barrel is clean and undamaged (special attention being given to the muzzle end) and that the machine gun is secure on its mounting. When it is found that the barrel gives promising results, a diagram of 10 single shots will be taken. If the figure of merit exceeds 1.50 feet, the O.C. will at once indent for another barrel, and, on receipt, will forward the doubtful barrel to the C.O.O. for transmission to the C.I.S.A., Enfield Lock, for final sentence.

183. The C.I.S.A. will arrange for machine guns in possession of units at home, except those forming part of the approved armament of a station, to be examined annually by a viewer from his department.

184. When practice with armament machine guns is carried out from works on sea fronts, a No. 2 or 3 target taken from a set of high speed targets, rigged up with a cross frame and webbing, and moored similarly to a floating target will be used. For practice on land, the artillery 6-foot fir target will be used.

185. (i) Spare parts for the repair of machine guns may be issued annually in the proportions detailed in Table 10, Appendix VIII.

(ii) Other spare parts and tools are issued as part of the machine gun equipment.

The contents of the spare parts box (or bag) are not to be drawn upon until the components of the machine gun and the annual allowances authorized by sub-paragraph (i) have been used up. When articles are withdrawn from the spare parts box (or bag), indents will at once be put forward for their replacement.

186. Materials for cleaning and oiling machine guns and their mountings will be supplied in the following proportions :—

	For each Machine Gun and Mounting.		
	Peace. Per annum.		War.
	For guns in use.	For guns in store.	
Mineral jelly, red (a) lbs.	—	1½	—
Dubbing "	½	—	½
Flannelette yards	11 (b)	6	3
Linen or cotton, old lbs.	3	—	¾
Oil, mineral, burning pints	½	—	¾
„ lubricating, G.S. "	8	—	2¼
Turpentine "	1	—	½

(a) Composition, preserving arms, hitherto supplied, will be used up before supply of mineral jelly, red, is made. The composition will not be used in future for guns, &c., packed for sea transit.

(b) 20 yards for Regular Cavalry, Infantry and Tank Corps.

187. The following will be allowed to each store in which machine guns are kept or dealt with, and will be replaced when necessary :—

Flannel (old blanket is very effective)

1 square yard.

Twisted copper wire

1 rod, 42 inches long, of wire 0·1-inch diameter, in a double twist.

188. The browning of machine guns will, where necessary, be carried out by armourers under the same conditions as small arms. If the materials authorized for such arms under Appendix VIII., Table 8, are insufficient to provide for the re-browning of the machine guns also, additional quantities as necessary may be approved for issue under paragraph 5.

In units where an armourer is not normally attached, re-browning will be carried out by circuit armourers.

Trigger guards and magazines of Lewis 303-inch machine guns will not be re-browned owing to the presence of the fixed wood side grips in the former, and the necessity for stripping the latter for such purposes, but they will be painted.

188A. The allowances of materials and working pay for painting machine guns for all regular units are laid down in Appendix XXI. Working pay for such painting will only be issuable when the conditions mentioned in para. 360 are fulfilled.

189. In units to which D.P. machine guns are allowed, such guns only will be used for instruction in stripping.

In other units, one machine gun per unit may be stripped to afford the personnel opportunities of becoming thoroughly acquainted with the mechanism and working of the machine gun.

The stripping must be carried out in the presence of an officer who has qualified at a machine gun school in the case of the Vickers, or at a small arms school in the case of the Hotchkiss and Lewis machine guns.

SECTION VII.—AMMUNITION.

A.—EQUIPMENT SMALL ARM AMMUNITION.

190. Equipment small arm ammunition will be supplied in time of peace at the rates laid down in the various sections of E.R., Part 2, and should always be in possession of units except when returned into store as directed in paragraph 66, on change of station.

191. On mobilization the quantities will be increased by the additional rounds, if any, laid down as the first line reserve for war. The latter quantities will be held with their mobilization equipment, but in the case of units not provided with this equipment the ammunition will be taken from the reserves held on R.A.O.C. charge in the district in which the unit mobilizes, issued to it at the place of mobilization, and taken to the war station. If, however, the war station is in the district in which the unit mobilizes, this issue of ammunition may be arranged for at such station as the G.O.C. may direct.

The place of storage in peace, and any detailed arrangements for supply to the troops on mobilization, will be laid down in the local mobilization orders and defence schemes.

All units will be kept informed in peace of these arrangements so far as they are concerned.

192. In cases of emergency the ordinary supply of equipment ammunition can be increased to such additional quantity as the G.O.C. may consider necessary.

193. Extra issues of small arm ammunition remaining unexpended will be returned to the R.A.O.C. on the termination of the service that necessitated the supply.

194. All ammunition that is not in actual use will be kept in the regimental magazines in charge of the quartermaster.

195. Revolver ammunition will be allowed in accordance with the following scale for officers proceeding on active service :—

	Carried—		
	On the person.	In regtl. transport.	By divnl. train.
	rounds.	rounds.	rounds.
Officers belonging to units with divisional formations	36	12	12
Other officers... ..	36	12 (a)	Nil.

(a) Cavalry regiments, infantry battalions and tank corps units allotted as non-divisional troops only.

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B.—SMALL ARM AMMUNITION FOR PRACTICE AND EXERCISE.

196. Units may expend annually the following quantities of ball and aiming rifle ammunition for each man who commences the courses prescribed for recruits and trained soldiers.

These allowances are intended to cover requirements for testing rifles in the manner authorized in the Musketry Regulations.

At the discretion of C.Os., aiming rifle cartridges may be exchanged for ball ammunition, or ball ammunition in excess of quantities required for carrying out the prescribed musketry courses may be exchanged for aiming rifle and blank ammunition—always provided the money value of the ammunition issued in exchange does not exceed that of the ammunition surrendered in lieu.

·303-INCH BALL, AND ·22-INCH R.F. AMMUNITION.

	Rounds.			
	For each trained soldier.	For each trained soldier, rank and file only.	For each recruit (officer or man).	
			Ball.	·22-inch R.F.
Cavalry				
Royal Artillery (including local companies of R.G.A.) ...				
Royal Engineers (field units) ...				
Royal Engineers (other units) ...				
Royal Corps of Signals				
Infantry				
Infantry reservists training with units of the militia ...				
Infantry reservists, ordinary training	As published from time to time, by A.C.Is.			
R.A.S.C.				
R.A.M.C.				
Army Dental Corps				
R.A.O.C.				
M.M.P., Egypt				
R.A.V.C.				
R.A.P.C.				
Army Educational Corps...				
Corps of Military Accountants ...				

197. Every soldier of cavalry, R.E., R.C.S., Tank Corps and infantry, of the regular forces, in the first year of his service, may fire the proportions of ball and aiming-rifle ammunition allowed for a recruit, together with those allowed for the trained soldier. If a cavalry, R.E., R.C.S., Tank Corps or infantry recruit is ordered to repeat the elementary practices of his course of musketry, the number of rounds already expended by him will not be deducted from the allowance, but will be allowed in addition thereto.

198 Units may expend annually the following quantities of .303-inch ball ammunition for each officer shown below who is exercised in musketry during the year :—

						Rounds.
Cavalry	...	...	...	...	...	} As published from time to time by A.C.I.'s.
Royal Artillery...	...	...	...	...	...	
Royal Engineers	...	...	...	...	...	
Royal Corps of Signals	...	...	...	...	...	
Infantry	...	...	...	...	...	
Tank Corps	...	...	...	...	...	
Royal Army Service Corps	...	...	...	...	...	
Royal Army Ordnance Corps	...	...	...	...	...	
Army Educational Corps	...	...	...	...	...	

These scales do not apply to recruit officers, who are provided for under paragraph 196.

199. In addition to the quantities allowed under paragraphs 196 and 198, the following proportions of .303-inch ball ammunition may be issued :—

(a) For field inspections, and in aid of combined field firing, to be drawn only on the order of the G.O.C. a station or district—

Cavalry regiment	...	...	...	*rounds annually.
Infantry battalion	...	...	...	* " "

(b) For C.O's verification, when necessary, of the accuracy of marking or testing of results in the annual musketry course (*see Musketry Regulations*)—not exceeding *rounds per company of infantry and *rounds per squadron, battery or company of other arms.

(c) For use at command or district rifle meetings :—

	Number of rounds for each officer and man (Regulars and Militia).	Calculated on the effective strength of the Command or District on—
Aldershot and London ...	5	1st June.
Other commands at home	3	1st June.
Commands abroad ...	7	1st January.

* Quantities as notified by A.C.I.s.

This allowance will be drawn by and expended under the orders of the officer in charge of musketry duties or other officer deputed by the G.O.C. to undertake the administration of the rifle meeting. It will not be drawn by units.

303-inch ammunition may be commuted for pistol ammunition of equivalent value, for all ranks armed with the pistol.

(d) Eighty rounds may be issued for each officer and N.C.O. of the R.A., Tank Corps, R.A.S.C. and R.A.O.C., detailed by the G.O.C. for attachment to infantry battalions to undergo a course to qualify themselves as instructors in musketry.

(e) Depot, R.A.M.C., Aldershot—15 rounds annually for each instructor.

200. Subject to any special orders which may from time to time be issued from the War Office, the small arm ammunition to be expended at practice will be taken from that already in possession of troops, and that received from R.A.O.C., in the following order:—

- (i) The contents of broken boxes, viz., boxes, the tin linings of which have been opened.
- (ii) Ammunition rebundled or repacked at stations other than Woolwich or Bramley.
- (iii) Ammunition examined and rebundled at Woolwich or Bramley, the original date of which is not known. Boxes containing this ammunition bear the words "EXAMINED (year)" on the labels. (Label 291G.) This ammunition will be used up in the order of the date of examination.
- (iv) Ammunition examined and rebundled at Woolwich or Bramley, the original date of which is known. Boxes containing this ammunition bear the original date of the ammunition, with the addition of a white label (placed diagonally across the old label), on which are the words "EXAM^d. (year) SERV^{ble}." (Label 164.) This ammunition will be used up in the order of the date of manufacture.
- (v) Ammunition of 1919 manufacture or earlier not mentioned above and which does not bear the "RE-EXAMINED" label mentioned at (vi). (Label 164.)
- (vi) Ammunition of 1919 manufacture or earlier which bears the "RE-EXAMINED" label. (Label L 1513).
- (vii) Ammunition manufactured subsequent to 1919. (Label L 1277).

Specimens of the labels used in the cases referred to in subparagraphs iii, iv, v, vi, and vii above, will be found in Appendix XXVIII.

Aiming-rifle and blank 303-inch ammunition will be expended in order of the priority of date of manufacture.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

201. On the 1st April in each year all regular units will render to the A.D.O.S. of the command a return showing the actual strength of warrant officers, N.C.Os. and men on that date, and also the number of rounds of blank .303-inch ammunition (except that authorized for machine guns) actually in possession of the unit.

From these returns the A.D.O.S. will compile a consolidated statement, in duplicate, showing the quantities in possession of each unit, and the quantities issuable for the year, the latter being in accordance with current A.C.Is.

This consolidated statement will be passed to the General Staff for the decision of the G.O.C.-in-C. as to whether the quantities shown in possession of units are to be allowed in whole or in part in addition to the quantities issuable for the year, or whether they are to be taken in diminution thereof. The decision will be recorded on the forms, one copy of which will be retained by the General Staff, and the other returned to the A.D.O.S., and will be the authority for the total amount of blank .303-inch ammunition to be issued in the command during the year.

The quantities to be allotted to the several units in the command will be communicated from time to time by the General Staff to the A.D.O.S., who will issue the necessary instructions to C.O.Os. of areas, and at the same time notify to the General Staff what balance (if any) still remains available for allotment.

202. Blank ammunition issued under paragraph 201 which has been returned to store by a unit leaving the command will be available for re-issue to such other units as the G.O.C.-in-C. may direct.

At its new station the unit will receive such quantity of blank .303-inch ammunition out of the balance still available for issue in the command as may be directed by the G.O.C.-in-C.

Any part of the annual allowance of ammunition authorized under paragraph 201 not drawn from the R.A.O.C. by 30th June in each year will lapse. Quantities so forfeited may *not* be added to the allowance for the following year.

203. Scales of blank and other ammunition for training remounts will be notified from time to time by A.C.Is.

204. The following scale of ammunition for practice with pistols will be allowed annually for each regular officer, warrant officer, N.C.O. and man serving with the regular forces or the militia, armed with a pistol in time of war who commences the prescribed course :—

Corps.	Cartridges, small arm, revolver, .455-inch.		
	Ball.		Blank. Every year.
	First year.	Subsequent years.	
Cavalry	As published from time to time by A.C.Is.		
Royal Artillery (Horse, Field and Medium)			
Royal Garrison Artillery			
Royal Engineers			
Royal Corps of Signals			
Tank Corps			
Infantry			
Royal Army Service Corps			
Royal Army Medical Corps (in- cluding Army Medical Services)...			
Army Dental Corps			
Royal Army Ordnance Corps			
Royal Army Veterinary Corps			
Military Mounted Police			
Military Foot Police			
Corps of Military Accountants			
Army Educational Corps			

205. C.Os. may obtain on payment from the R.A.O.C. such quantities of small arm ammunition as may be required for regimental purposes. Revolver ammunition will only be issued on payment for the use of those ranks who are armed with the pistol on service.

Bandoliers and chargers issued with .303-inch ammunition will be charged for at vocabulary rates.

206. Units* joining the Army Rifle Association may obtain annually on payment at half vocabulary rates 5 rounds .303-inch ammunition for each rifle on charge, and 6 rounds .455-inch ammunition for each revolver on the authorized establishment. The allowance may also be drawn for men borne on the establishment of schools of instruction, provided that the "school" joins the Army Rifle Association.

Bandoliers and chargers issued with .303-inch ammunition will be charged for at vocabulary rates.

* The R.A.O.C. at home will be considered as one unit for the purpose of this paragraph.

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Ammunition drawn under this paragraph may not be transferred from one unit to another.

207. Indents for practice and exercise ammunition will be sent to the C.O.O. in sufficient time to admit of the issue being made for the annual musketry practice. The quantities to be demanded in each year will be based on the number of men in or attached to a unit who it is anticipated will commence the annual musketry courses.

208. The indent will be made, although at the time the unit may be under orders to leave the district. (See paragraph 209.)

209. Before leaving the station the C.O. will be furnished with a balance certificate on A.F. G 802, showing the amount of ammunition due to the unit on indent, and that returned to store under paragraph 66.

Blank .303-inch ammunition allowed under paragraph 201 will not be included on the form. (See paragraph 202.)

210. Any of the annual supply of ammunition, other than that authorized under paragraph 201, which has not been drawn by the end of the weapon training year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account for the following year. The weapon training year at home stations will commence on 1st March; at stations abroad these dates will be varied as required. Permanent dates to meet climatic conditions must, however, be fixed for each command, and notified to the War Office.

C.—MACHINE GUN AMMUNITION.

211. The annual proportions of ammunition for practice and exercise will be as detailed in the table below :—

	Cartridges, small arm.	
	Ball.	Blank.
(1) For each unit or corps having machine guns actually in possession, not forming part of the armament of a station (2) For each machine gun forming part of the approved armament of a station (home and abroad)	} As authorized from time to time by A.C.Is.	

D.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

212. The annual allowances of gun ammunition for practice and exercise, with instructions relating thereto, are detailed in E.R., Part 2, Sections XI and XII.

E.—BLANK GUN AMMUNITION FOR REVIEWS, FIELD DAYS, SALUTES AND MANŒUVRES.

213. In addition to the allowances detailed in E.R., Part 2, Sections XI and XII, blank gun ammunition, as shown in the following table, may be issued annually to commands for use by Horse, Field and Medium Artillery and Tank Corps at reviews, field days, salutes, and manœuvres.

The allocation of ammunition to units and to specific purposes will be made by the G.O.C.

Commands and districts.	Total number of rounds.
Aldershot Command	} As authorized by A.C.Is.
Eastern Command	
Northern Ireland District	
Northern Command	
Scottish Command	
Southern Command... ..	
London District	
Egypt... ..	

214. Any ammunition expended at inspections, reviews, salutes, field days, or manœuvres, in excess of the quantities detailed in paragraph 213 may be taken from that included in the annual allowance for exercise. Ammunition will not be expended as a charge against the training grant, nor, unless special instructions to that effect are received from the War Office, will expenditure of ammunition in excess of authorized allowances, to be met by a corresponding saving under the training grant, be incurred.

215. The ammunition year for the purpose of governing the issue and expenditure of blank gun ammunition, except that for guns on fixed mountings, will run from the 1st September to the 31st August.

F.—CONVEYANCE OF AMMUNITION.

216. Neither gunpowder nor ammunition of any kind will be forwarded to an ordnance depot until the officer forwarding the same is satisfied that the consignee is ready to receive it.

217. Whenever ammunition is conveyed in military vehicles, the loading will (if possible) be performed by the troops, who will be held responsible for its correctness.

218. When explosives are issued from an ordnance depot and coverings are considered necessary, they will be supplied by the R.A.O.C. They will be returned to store immediately on completion of the service.

219. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the C.O. for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted.

220. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination.

221. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have matches or pipe lighters in their possession.

SECTION VIII. — HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

222. One set of saddlery will be supplied for the use of each officer entitled to the free issue of one or more public horses under Allowance Regulations, and will be held on equipment ledger charge of the unit to which the officer belongs. In the case of staff officers the saddlery will be accounted for by a unit to be selected by the headquarters concerned. The saddlery will accompany the officer on transfer if desired by him, the usual receipt and issue vouchers being passed between the units concerned.

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223. The lamb skins or leopard skins issued with sets of officers' saddlery will be supplied without any edgings or facings. Regimental arrangements should be made for fitting the same, for which the following allowances will be drawn from the command paymaster:—

- 2s. 3d. for an officer of a mounted unit (the work being done by the regimental saddler).
- 3s. 6d. for an officer of a dismounted unit.

Payments will be charged against Vote 8, Equipment Stores, Harness and Saddlery. The above allowances will be issuable to men in receipt of normal rates of pay only, and not to those in receipt of tradesmen's rates.

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224. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the R.A.O.C. by Os.C. mounted units, and returned to store on arrival at their destination.

225. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation; for this purpose three "brushes, sash tool, No. 2," and three pounds of black paint per hundred sacks may be demanded.

The two sets of saddlery will be packed in the four bushel corn sack in the following manner:—Detach numnah pannels and stirrup irons, and place them in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete together with traces (if any) inside saddle. Place saddle blanket on top.

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The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

226. Horse rugs for use in stables during cold weather will be allowed on the scale of one per public horse or mule.

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At home stations these rugs will normally be indented for on 1st September, and will be returned to ordnance store in April. At stations abroad they will be indented for when considered necessary by the senior veterinary officer, and will be returned to ordnance store at the end of the cold weather.

If units go into standing camp or proceed on manœuvres before the rugs in use in stables are returned to ordnance store, those in possession will be taken by the unit instead of indenting on R.A.O.C. for rugs under the standing camp or manœuvre scales (see Appendix VII).

The rugs allowed for sick animals under E.R., Part 2, must on no account be used on healthy animals.

227. Stable necessities will be supplied in the proportions laid down in the several sections of E.R., Part 2, for all horses the property of the public. Officers entitled to the free issue of one or more public horses, but permitted to provide their own horses for military duty in lieu, may also be supplied with the foregoing articles for each horse so provided. For hired horses, when employed on the public service, there may be issued 1 horse brush and 1 curry comb for every two horses, and 1 horse-rubber, and 1 nose bag for each horse.

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A portion of horse brushes may, at the discretion of C.Os., be commuted for dandy brushes. For commutation purposes two dandy brushes will be regarded as the equivalent of one horse brush.

228. Such stable necessities as are an annual supply will be dealt with under paragraphs 96 and 369, and need not be returned to store when unserviceable.

229. Losses or premature unserviceability of stable necessities will be dealt with under paragraphs 82 and 104.

230. The following proportions of hair and flock, in addition to the annual allowance given in Appendix XI, will be issued with each pair of new stuffed pannels, if demanded :—

Pannels, officers	$\frac{1}{2}$ lb. of flock.
Pannels, packsaddlery	$1\frac{1}{2}$ lb. of horse hair.

231. Equitation articles will be supplied to mounted services in the proportions shown in the several sections of E.R., Part 2, and will be accounted for in the same manner as other equipment. The detail of a set is shown in Appendix XII.

232. To prevent leather ammunition carriers of Hotchkiss machine gun packsaddlery becoming damaged or badly shaped when used empty at training, wooden blocks weighted with lead, to correspond as near as possible to weight and size of ten strips filled with ammunition, will, for drill purposes, be placed in the ammunition carriers.

233. Each cast Army horse which has to be sent by rail to the place of sale may be provided with a "halter, common" which will be disposed of with the horse.

SECTION IX.—HORSESHOES.

234. Horse and mule shoes will be issued for use during peace and will be stored with mobilization equipments of units on the following scale of sizes.

Shoes tapped for use with frost cogs will be held in mobilization equipments by units at home and plain shoes for units abroad.

**A.—HEAVY DRAUGHT HORSES (EXCEPT 1ST LINE
TRANSPORT ANIMALS OF MEDIUM ARTILLERY
BATTERIES).**

I.—Iron shoes.

Description.							Percentage of sizes.
<i>Shoes, horse, heavy pattern—</i>							
<i>Fore</i>	..	$6\frac{1}{2}$ inch	..	..	..	..	10
		$6\frac{3}{4}$ "	..	..	..	..	20
		7 "	..	..	..	..	25
		$7\frac{1}{4}$ "	..	..	..	..	20
		$7\frac{1}{2}$ "	..	..	..	..	15
		$7\frac{3}{4}$ "	..	..	..	..	5
		8 "	..	..	..	..	5
		6 "	..	..	..	..	20
<i>Hind, with calkins</i>		$6\frac{1}{4}$ "	..	..	..	..	20
		$6\frac{1}{2}$ "	..	..	..	..	25
		$6\frac{3}{4}$ "	..	..	..	..	20
		7 "	..	..	..	..	10
		$7\frac{1}{4}$ "	..	..	..	..	$2\frac{1}{2}$
		$7\frac{1}{2}$ "	..	..	..	..	$2\frac{1}{2}$

II — STEEL SHOES.

Description.							Percentage of sizes.	57 Gen. No. 1027
Shoes, horse, steel—								
Fore, No. 10							10	
Shoes, horse, steel, heavy pattern—								
Fore ...	{	6½ inch	20					
		7 "	25					
		7½ "	20					
		7¾ "	15					
		8 "	5					
		8 "	5					
Shoes, horse, steel,—								
Hind, wheel {	{	No. 8	20					
		" 9	20					
		" 10	25					
Shoes, horse, steel, heavy pattern—								
Hind	{	6½ inch	20					
		7 "	10					
		7½ "	2½					
		7¾ "	2½					

B.—OTHER HORSES AND MULES.

ARTILLERY.—As detailed in E.R., Part 2, Sections XI and XII.

OTHER UNITS:—

I.—Iron shoes.

Description.	Percentage of sizes for				
	Household Cavalry.	Cavalry of the Line.		R.E., R.C.S., R.A.S.C., Infantry, Head- quarters units, &c.	
		Home.	Egypt.	Home.	Egypt.
<i>Shoes, horse—</i>					
No. 3, fore and hind	...	5	...	...	...
" 4 "	...	45	2	4	...
" 5 { fore	...	43	36	16	28
" 5 { hind, without calkins	...	43	36	16	14
" 5 { " with calkins	...	...	...	14	...
" 6 { fore	...	40	12	14	32
" 6 { hind, without calkins	...	36	10	14	16
" 6 { " with calkins	...	4	2	...	16
" 7 { fore	...	16	1	1	24
" 7 { hind, without calkins	...	8	$\frac{1}{2}$	$\frac{1}{2}$	...
" 7 { " with calkins	...	8	$\frac{1}{2}$	$\frac{1}{2}$	24
" 8 { fore	...	1	1	...	8
" 8 { hind, with calkins	...	1	1	...	8
" 9 { fore	...	...	...	4	...
" 9 { hind, with calkins	...	...	...	4	...
<i>Shoes, horse, light pattern—</i>					
No. 2, fore and hind	...	...	34	...	8
" 3 " "	...	...	33	...	25
" 4 " "	...	...	...	...	34
" 5 " "	...	...	...	...	25
<i>Shoes, mule—</i>					
No. 11	...	...	10	10	10
" 12	...	...	15	15	15
" 13	...	...	20	20	20
" 14	...	...	25	25	25
" 15	...	...	20	20	20
" 16	...	...	10	10	10

II.—STEEL SHOES.

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Description.	Percentage of sizes for				
	Household Cavalry.	Cavalry of the line.		R.E., R.C.S., R.A.S.C., Infantry, Head- quarters units, &c.	
		Home.	Egypt.	Home.	Egypt.
Shoes, horse, steel—					
No. 2, fore and hind	...	...	34	...	8
„ 3 „ „	...	5	33	...	25
„ 4 „ „	...	45	2	4	34
„ 5 { fore	...	43	36	16	28
„ 5 { hind, lead	...	43	36	16	14
„ 5 { „ wheel	...	...	...	14	...
„ 6 { fore	...	40	12	14	32
„ 6 { hind, lead	...	36	10	14	16
„ 6 { „ wheel	...	4	2	...	16
„ 7 { fore	...	16	1	1	24
„ 7 { hind, lead	...	8	$\frac{1}{2}$	$\frac{1}{2}$	...
„ 7 { „ wheel	...	8	$\frac{1}{2}$	$\frac{1}{2}$	24
„ 8 { fore	...	1	1	...	8
„ 8 { hind, wheel	...	1	1	...	8
„ 9 { fore	...	...	...	...	4
„ 9 { hind, wheel	...	...	...	4	...
Shoes, mule, steel—					
No. 11	...	...	10	10	10
„ 12	...	...	15	15	15
„ 13	...	...	20	20	20
„ 14	...	...	25	25	25
„ 15	...	...	20	20	20
„ 16	...	...	10	10	10

General Instructions for the Supply of Shoes and Nails during Peace.

235. Shoes and nails will be demanded quarterly as follows :—

SHOES.—*Cavalry, Royal Artillery, Royal Engineers, Royal Corps of Signals and Royal Army Service Corps.*

Not more, at any one time, than three sets for 50 per cent. of the horses on the strength of the unit (see para. 243).

Other units.

Not more, at any one time, than three sets for each horse on the strength of the unit.

NAILS.—*All units.*

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Not more, at any one time, than the equivalent of three sets for each horse on the strength of the unit, plus (as spare) 10 per cent.

These quantities are regarded as normally sufficient for three months, and no additional issues will be made without a certificate from the veterinary officer, countersigned by the C.O., explaining the circumstances which have rendered additional supplies necessary.

Unless specially demanded, shoes will be issued to Cavalry, R.A., R.E. and R.C.S. in sizes as detailed in paragraph 234. Other units will demand sizes as required.

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The quarterly demand submitted on 1st September will be for shoes, drilled and tapped for frost cogs.

236. A spare set of shoes ready fitted for immediate use and with the proper complement of nails will be held by units for every public horse. These shoes will be used every quarter and replaced by new ones.

A spare set of shoes (with the necessary nails) will also be held for 50 per cent. of the number of horses required to complete the unit from peace to war establishment, to cover shoeing operations on mobilization.

237. When units march from one station to another, one fore shoe (with nails) will be carried for each horse, and in the case of horses with brittle feet one hind shoe (with nails) in addition. C.Os. will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance depot at the station, hand them over to the incoming unit, in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through a R.A.O.C. station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store or handed over may be drawn, one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken for each animal, the balance being returned to store or handed over to the incoming unit if there is no ordnance depot at the station, and others drawn in lieu as directed above.

238. Horses supplied free to officers entitled to them under the Allowance Regulations, and used solely for military purposes will be shod at the public expense.

239. All horses, the property of the public, for which a hiring charge is paid by officers under the provisions of the Allowance Regulations, and all privately owned horses foraged at the cost of the public, must be shod at the officers' expense. If the shoeing of these horses is performed in an army farriery, charges will be made against the officer concerned as follows:—

- (a) For supplying and putting on new shoes, 5 shillings a set.
- (b) For removing and refitting old but still serviceable shoes 2 shillings a set.

Monthly returns will be rendered by farriers to their C.Os. showing the number of officers' horses shod under the provisions of this paragraph, in order that the necessary credit may be given in the accounts of the command paymaster.

Shoes and nails will not be supplied from public sources on payment for officers' horses not shod in an army farriery.

240. Unless specially demanded, nails will be issued in the proportions shown by weight in the following table:—

Table of Nails for Iron Shoes, Horse, Mule, and Pony.

Description of shoes.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.	57
				Gen. No. 1027
Shoes, horse—		lbs.		
Nos. 1 and 2... ..	No. 6	22	{	26
No. 3				
No. 4	No. 6	22		32
No. 5	{ 25% No. 6	7	}	32
	{ 75% No. 8	27		
No. 6	{ 75% No. 8	27	}	32
	{ 25% No. 10	12		
Nos. 7 and 8... ..	{ 75% No. 8	30	}	36
	{ 25% No. 10	13		
Nos. 9 and 10—				
Fore and hind, without	{ 80% No. 10	47	}	42
calkins				
Hind, with calkins	{ 20% No. 13	16	}	42
	{ 60% No. 10	35		
	{ 40% No. 13	33		

TABLE OF NAILS FOR IRON SHOES, HORSE, MULE, AND PONY—*contd.*

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Description of shoes.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.
Shoes, horse—			
Heavy pattern, all sizes ...	{ 75% No. 13 25% No. 15	{ lbs. 66 29 }	46
Light pattern—			
Nos. 2 and 3 ...	No. 6	22	26
No. 4 ...	{ 80% No. 6 20% No. 8	{ 18 6 }	26
No. 5 ...	No. 8	29	26
Shoes, mule—			
Nos. 11 and 12 ...	No. 4	14	26
Nos. 13, 14 and 15 ...	No. 6	27	32
No. 16 ...	No. 8	36	32
Shoes, pony—			
No. 21 ...	No. 4	14	26

Table of Nails for Steel Shoes, Horse, Mule and Pony.

Table of Nails for Steel Shoes, Horse, Mule and Pony.			
Description of shoes.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of Nails allowed for each set of shoes.
Shoes, horse, steel—			
No. 1 { fore ... hind ... }	No. 4	15	26
Nos. 2, 3 and 4 { fore ... hind ... }	No. 6	22	26
Nos. 5 and 6 { fore ... hind, lead { " wheel {	50 % No. 6	14	32
	50 % No. 8	18	
	75 % No. 8	26	
	25 % No. 10	12	
No. 7 { fore ... hind, lead ... " wheel	75 % No. 8	30	36
	25 % No. 10	16	
	50 % No. 8	16	
	50 % No. 10	20	
No. 8 { fore ... hind, lead ... " wheel	75 % No. 8	28	42
	25 % No. 10	12	
	25 % No. 8	10	
	75 % No. 10	36	
Nos. 9 and 10 { fore ... hind, lead { " wheel {	50 % No. 8	22	46
	50 % No. 10	28	
	60 % No. 10	24	
	40 % No. 13	32	
Heavy pattern, all sizes—			
Fore ...	75 % No. 13	66	46
Hind ...	25 % No. 15	29	
Shoes, mule, steel—			
Nos. 11 and 12 ...	No. 4	14	26
Nos. 13, 14 and 15 ...	No. 6	27	32
No. 16 ...	No. 8	36	32
Shoes, pony, steel—			
No. 21 { fore ... hind ... }	No. 4	14	26

FROST COGS, TAPS AND WRENCHES.**A.—PEACE.**

241. (a) On the 1st September in each year indents will be put forward by Os.C. units at home (Jersey and Guernsey excepted) for cogs, screw, frost, in the proportion of two sets for each horse and mule.

The proportion of cogs issued will be as follows :—

Description of shoes.	No. of cogs for each set of shoes.	Description of cogs.	Weight of cogs allowed for every 100 sets of 4 shoes.
			lbs.
Shoes, horse, sizes 1-7, and all mule and pony shoes... ..	8	$\frac{3}{8}$ -inch	25
Shoes, horse, size 8	16	$\frac{5}{8}$ -inch	50
Shoes, horse, sizes 9 and 10, and all heavy shoes	16	$\frac{1}{2}$ -inch	100

(b) In instances where drilled and tapped shoes are not available for issue, frost-nails (for use with plain shoes) will be issued instead of frost cogs, in the following proportions :—

	Number of nails for each horse.
Cavalry, R.A., R.E. and R.C.S.	40
Infantry and Tank Corps	60
R.A.S.C. and M.M.P.	120

“Chisel-head” nails (half large and half small) will be demanded for riding horses, and “snap-head” (75 per cent. inside and 25 per cent. outside) for draught horses.

(c) Taps and wrenches for use with frost cogs will be issued in the following proportions :—

Taps, frost cog :—

$\frac{3}{8}$ -inch	{ 1 for each farrier. 1 for every 4 animals on the strength of units which require $\frac{3}{8}$ -inch cogs.
$\frac{1}{2}$ -inch	{ 1 for each farrier of units having horses which require $\frac{1}{2}$ -inch cogs. 1 for every 4 horses on the strength of units which require $\frac{1}{2}$ -inch cogs.
Wrenches, frost cog... ..	{ 1 for each farrier. 1 for every 4 animals on the strength of units.

(d) At the close of winter all cogs, taps, wrenches and frost nails will be returned by units to the nearest ordnance depot.

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B.—WAR.

242. The war scale of frost cogs will be one set for each animal. Scales of taps and wrenches will be as laid down in paragraph 241 (c). These items will not be stored with mobilization equipments, but will be provided by R.A.O.C. on mobilization if specially ordered.

Special Instructions.

Cavalry, Royal Artillery, Royal Engineers, Royal Corps of Signals and Royal Army Service Corps.

243. One set of shoes each month will be allowed for each horse on the establishment. Fifty per cent. of the shoes required will be made in the forges of the units out of the worn-out shoes removed from the horses; any iron that may be required in addition will be supplied by the R.A.O.C. on the indent of the C.O., supported by the veterinary officer's certificate.

Worn out shoes which cannot be utilized by units will be brought on equipment ledger charge by certificate receipt voucher and returned quarterly to the R.A.O.C.

Infantry, Tank Corps and Military Mounted Police.

244. One set of machine made shoes each month will be allowed for each horse on the establishment. All worn out shoes will be returned to the R.A.O.C.

At stations other than Aldershot the necessary arrangements for shoeing the horses of M.M.P. will be made by the O.C. the unit to which the horses are attached.

Forge and Farriers' Tools, &c.

245. Forge and farriers' tools for peace (except the barrack fixtures provided by the R.E.) will be drawn from the R.A.O.C. and held on equipment ledger charge.

The "chest, tool, filled, farriers," the detailed contents of which are given in Appendix V, contains one set of forge and one set of farriers tools. The proportions in which the chests will be supplied are as follows:—

Cavalry regiment	...	...	...	...	6
Cavalry depot	...	...	...	...	1
School of Equitation	...	...	...	...	2
Divisional signals	...	...	...	...	2
Other signal company or cavalry divisional signals	...	...	...	...	1
Field squadrons, R.E.	...	...	...	...	1
Field company, R.E.	...	...	...	...	1
R.E. mounted depot	...	...	...	...	1
Horse transport company, R.A.S.C.	...	...	...	...	1
M.M.P., Aldershot	...	...	...	...	1

Additional sets of farriers' tools will be supplied to make the total number on charge equal to, in the case of—

Cavalry regiments—

1 for each farrier serjeant, farrier corporal and farrier, and one spare set for each squadron for instructional purposes, this set to include two aprons, basil or moleskin.

Cavalry depot ... 3 sets.
School of equitation ... 6 „

R.A. units ... As detailed in E.R., Part 2, Sections XI and XII.

Royal Army Service Corps—

Horse transport service company ... 4 sets.
Horse transport depot company... 6 „

Royal Engineers—

Mounted depot ... 4 „

Experimental bridging company	} A spare set of tools for instructional purposes, &c., each set to consist of:—
Field troops ...	
„ company ...	
Mounted depot ...	
Royal Corps of Signals—	
Divisional signals	Buffers, farriers ... 2
Cavalry divisional signals	Hammers, farriers, shoeing 2
signals ...	„ „ sledge ... 1
	Knives, drawing farriers, ... 2
	„ searching „ 1

Worn out rasps may be retained for steeling horse shoes.

246. For war, forge and farriers tools will be supplied as follows:—

All units except those mentioned below	} 1 bag, tool, farriers, filled as detailed on page 147, Appendix V, for each farrier serjeant, farrier corporal and farrier on the war establishment.
Royal Artillery Units ...	} As detailed in E.R., Part 2, Sections XI and XII.
Field Companies, R.E. ...	} 3 bags, tool, farriers, filled per company.

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	Chests, tool, filled, farriers.	Additional sets of farriers' tools.
Royal Army Service Corps— Horse transport company	1	Sufficient bags, tool, farriers, filled as may be necessary to allow 1 bag for each farrier-serjeant, farrier - corporal and farrier on the war establishment.

The tools forming part of the peace equipments of units will be taken in diminution of war requirements.

247. Pincers, horncutting, for use by farriers, will be stored with war equipments at the rate of 1 pair for every 100 horses on the war establishment of the unit.

SECTION X.—CAMP EQUIPMENT.

248. The proportions of camp equipment for manoeuvres and in standing camps are contained in Appendix VII. The scale for standing camps will guide issues to troops placed under canvas for any purpose other than manoeuvres. At stations abroad C.D.L. (in lieu of C.S.L.) tents may be issued for the use of European troops provided:—

(a) The period of encampment is not to be of very short duration.

(b) The climatic conditions likely to be encountered during the period of encampment are, in the opinion of the D.D.M.S., such as to warrant the issue of C.D.L. tents.

249. Indents for camp equipment will be prepared by units or individuals to whom issues are authorized by regulations, and transmitted to the C.O.O. of the area in which the encampment is to take place.

Officers authorized to indent for camp equipment will ensure that the whole of the information required by the forms is fully detailed upon them, that the quantities of equipment included are in accord with the authorized scales for the number of officers and men to be encamped, and that the indents are transmitted in ample time to allow O.Os. to arrange for delivery of the equipment by the date desired.

250. Cooking utensils, including ovens and stoves, are frequently issued by R.A.O.C. with a coating of spirit lacquering, varnish or mineral jelly to preserve the ironwork, and care must be

taken to ensure that this preservative is burnt or wiped off before the articles are taken into use.

251. Camp equipment, other than that supplied to units as permanent equipment for instructional purposes, will not be brought on charge in equipment ledgers.

All issues for temporary use, other than those made to units for sports and entertainments, which will be regarded as on "temporary loan," will be accounted for on A.F. G 973 by the C.O. of the unit, or the individual officer to whom the issue is made.

At the termination of the encampment the accounts, with the whole of their supporting vouchers, will be transmitted to the C.O.O. of the area in which the issues were made, irrespective of the locality of the ordnance depot to which the stores may have been returned.

Ammunition received or expended during periods of encampment will not be entered in camp equipment accounts.

252. Charges for deficient camp equipment will be made in accordance with the instructions contained in paragraph 104 (b).

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For adjustment of charges see R.A.O.S., Part I.

253. When the issue of tentage to supplement barrack accommodation is authorized, tents, and, if necessary, tent bottoms, bed-boards, and trestles, will be obtained from the R.A.O.C. All barrack stores will be obtained from the officer in charge of barracks.

254. When the G.O.C. finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 5; but it is to be clearly understood that such increases are only to be authorized in exceptional circumstances, as in the case of additional blankets in cold weather, and that the scales authorized in these regulations are to be reverted to immediately the special circumstances which necessitated the increase cease to exist.

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255. In all issues for camps of manœuvre or flying columns at home, the G.O.C. may reduce the proportions in view of the requirements of the particular service and the strength of the troops and companies, and so diminish the weights to be transported.

256. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on A.F. G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, or individual officer to whom the equipment has been issued, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in paragraph 99 will be followed.

257. Wood bottoms for circular tents for officers and men, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the D.D.M.S. They will not be supplied for the store, office, or workshop tents of units.

258. The G.O.C. in authorizing the supply of wood bottoms will proceed as directed in paragraphs 5 and 7.

259. At encampments where local conditions or circumstances render it impossible, or, in the opinion of the G.O.C., undesirable to dig trenches for latrine purposes, and the pail latrine system has specially to be resorted to, latrine buckets may be issued in the following proportions to the contractor engaged to remove the soil :—

For officers ...	20 per cent. of number of officers encamped.
For other ranks	10 per cent. of number of other ranks encamped.

These numbers are regarded as sufficient to meet requirements for both pail latrines and urinals.

The conditions to be fulfilled by the contractors with regard to collection, disinfection, cleaning, repairing and re-delivering these buckets will be found detailed in the "Special conditions of contract" embodied in a tender form approved by the Army Council and issued to G.Os.C., to govern local contracts in connection with the pail latrine system in encampments.

260. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers' horses, and for such hired horses as may be employed on the public service. Rugs, horse, will also be supplied for hired horses when required.

261. Mounted units proceeding by route march in Great Britain and Northern Ireland do not require camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, O.S.C. units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manceuvres," out demanding only such articles as are absolutely necessary.

262. To prevent the injury caused by damp and mildew, all tents, blankets, horse rugs, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

263. Camp kettles and other articles liable to injury from rust will also be dried and cleaned by the troops before return to store.

264. When troops under canvas have to march on immediate orders, the C.O.O. will confer with the O.C. troops as to the steps which should be taken for the drying and cleaning of the camp equipment prior to its being returned into store on the breaking up of the camp.

265. The C.O.O. will bring to the notice of the O.C. troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

266. The following articles may be issued to units for instruc-

tional purposes. They will be held on equipment ledger charge, and on change of station will be transferred to the incoming unit :—

Cavalry regiments ...	4 circular single tents, 10 camp kettles, 6 pick axes, 6 shovels, 13 heel peg mallets, 136 surcingle pads, 170 picketing pegs, 136 head ropes, 34 heel ropes, 136 4-ft. 9-in. picketing ropes.	
Artillery brigades ...	12 camp kettles, 8 pick axes, 8 shovels.	
Artillery batteries and R.E. units ...	2 circular single tents.	
Royal Corps of Signal units ...	2 circular single tents, 5 camp kettles.	9 Equip. 516
R.G.A. batteries and R.A.S.C. companies, and R.A.O.C. sections and companies ...	1 circular single tent.	
Infantry battalions...	4 circular single tents, 10 camp kettles, 4 canvas water buckets.	9 Equip. 516
Tank battalions and Depot Tank battalion ...	4 circular single tents, 10 camp kettles.	
Armoured Car companies ...	2 circular single tents, 5 camp kettles.	
Guards and Rifle depots ...	4 circular single tents.	
R.A.M.C. companies	1 circular single tent, 1 marquee, G.S., single, 3 camp kettles, 3 pickaxes, 4 shovels, 1 bill-hook, 1 packsaddle, 1 pair cacolets, 10 small signal flags with poles, 8 ambulance stretchers, 48 knee caps, 1 bundle brushwood pickets.	

Unserviceable tents (as to canvas) will be issued, but poles, pins and mallets will be serviceable.

When batteries of artillery are stationed singly, a proportionate quantity of the brigade allowance will be issued.

267. The following articles will be issued, if required, to the units mentioned in the preceding paragraph and under the same conditions :—

Cordage	{ tarred, 1½-in., 20 ft. long ...	pieces	20
	{ white, ¾-in., 4 ft. long ...	"	20
Spars, wood, 12 ft.	... ..	...	6

268. A free issue of the undermentioned articles of camp kit will be made to—

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- (a) Officers appointed to permanent commissions in the Regular Army after 1st September, 1921, provided they have not previously held commissions in the Regular Army or as temporary, Militia or Territorial Army officers.

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(b) Members of the Queen Alexandra's Imperial Military Nursing Service who have not already received a free issue of the articles or the money allowance in lieu—

- 1 portable camp bedstead and bag for same.
- 1 pillow, hospital pattern, hair, small.
- 1 sheet, ground.
- 1 collapsible washstand with canvas basin, bath and bag.
- 1 chair, officer's camp.
- 1 bucket, water, G.S., canvas.
- 1 valise, officer's kit, with straps.

The issue will be made (a) when the officer is first gazetted into the Regular forces, and (b) on the first occasion on which the member of the Queen Alexandra's Imperial Military Nursing Service is ordered on active service.

Before issue is made, the issuing officer will obtain a certificate to the effect—

- (a) That the officer was commissioned on or after 1st September, 1921.
- (b) That he had not previously held a commission in the Regular Army, or as a temporary, Militia or Territorial Army officer.
- (c) That a camp kit in kind or the money allowance in lieu had not at any time already been received.

In the case of members of the Queen Alexandra's Imperial Military Nursing Service a certificate as at (c) only will be required. In the event of the complete camp kit not being available or likely to be available, such articles as are available will be issued, and a money allowance in lieu of such of the articles as are not available will be issued at the vocabulary rates by the Command paymaster of the Command in which the applicant is serving, on receipt of a certificate from the C.O.O. to the effect that the articles in question are not available.

In addition to the above kit, a free issue of three new general service blankets will be made under regimental arrangements from Barrack Expense Stores.

The kit will be maintained at the expense of the owners.

SECTION XI.—ARMOURERS', ARTIFICERS', AND WORKSHOP TOOLS.

A.—ARMOURERS' AND ARTIFICERS' TOOLS.

269. Armourers' boxes, with the tools and materials detailed in Appendix IV, will be supplied to units to which armourers are attached, and will be held on equipment ledger charge. When worn out by fair wear and tear, or expended in the repair of service arms or bicycles, they will be replaced at the expense of the public.

270. Should an armourer require, for service purposes, tools not included in this set he should as far as possible, make or improvise them. Material for such small services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material, accompanied by an explanation of the circumstances under which it is required, should be submitted to the R.A.O.C.

Should the work in hand necessitate the employment of special tools, which (having regard to the expense involved and the quantity of work to be performed) it is not desirable to make or improvise regimentally, such tools should be obtained on loan from the R.A.O.C.

271. Os.C. units are responsible that the gauges supplied for the use of armourers are verified by the R.A.O.C. once a year, or oftener if the results of examination of small arms indicate such a course to be desirable.

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272. When examining small arms, viewers will inspect the tools of armourers attached to units, and report to the C.I.S.A., who will inform the O.C. of any required replacements.

273. Instructions for packing armourers' tools and spare parts of small-arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, or Bermuda.

274. Tools supplied for the use of armourers and artificers are not to be employed for private purposes. Lists of general service tools are detailed in Appendix V. Tools special to Artillery, Engineers, and other services are detailed in the various sections of E.R., Part 2.

275. A set of pioneer equipment is issued for each household cavalry regiment and for each squadron of cavalry of the line. The detail of a set is shown in E.R., Part 2, Section II.

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B.—TOOLS FOR MILITARY WORKSHOPS.

276. To encourage the employment of soldiers in trades, sets of tools will be supplied to regiments of cavalry, batteries of R.H., R.F., Pack or Medium Artillery, battalions of infantry, and certain stations of R.G.A., at the public expense, under the special sanction of the G.O.C. in each case, and subject to the following conditions:—

- a. That there are qualified tradesmen to use them.
- b. That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the G.O.C.; and on the understanding that the unit so returning them will be charged with the difference between their original cost and actual value at the time of their receipt into store.
- c. That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.
- d. That articles worn out or lost are paid for at full vocabulary rates, a reference to credit being made on the indent for their replacement.

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	Batteries of Horse and Field, Pack or Medium Artillery.	Regiments of Household Cavalry or Cavalry of the line.	Battalions of Infantry.	R.G.A.	Tank Corp Battalions.
Chests, tool, filled—	—	1	1	—	—
Bricklayers and Masons...	1	—	—	—	—
Carpenters	—	1*	1*	2‡	—
Carpenters and Wheelers	—	1†	1†	—	—
Coopers	—	1	1	—	1
Painters and Glaziers ...	—	1	1	—	—
Plumbers	—	1	1	—	—
Smiths	—	1	1	1‡	1

* A grindstone, F.S., 14-inch, for use with this chest will be separately demanded, charged and accounted for.

† Only when specially ordered.

‡ Per coast defence command at home, or station abroad; but other chests or increased supplies of above, may, under special circumstances, be authorized for instruction, on the approval of the War Office.

277. C.Os. will direct an inspection of the tools to be made quarterly, and will certify in the ledgers in which they are brought on charge, that this service has been performed.

278. Tools issued to the R.G.A. under paragraph 276 will be accounted for by the O.C. the depot company; or, where no depot company exists, by the O.C. a service company to be detailed—

At Home.—By the O.C. R.A. in the coast defence command.

Abroad.—By the O.C. R.A. at the station.

279. Tools for trades will not be allowed to militia units or to Guards and Rifle depôts.

SECTION XII.—SIGNALLING, RANGE-FINDING AND TELEPHONE EQUIPMENT.

A.—SIGNALLING EQUIPMENT.

280. Supplies will be issued in accordance with the several sections of E.R., Part 2.

B.—FIELD RANGE-FINDERS.

281. Field range-finders will be supplied as shown in the several sections of E.R., Part 2. Instructions for the repair of these instruments will be found in Appendix XXII.

C.—INSPECTION OF TELESCOPES AND BINOCULARS.

282. Telescopes and binoculars held on charge for signalling and reconnaissance work under E.R., Part 2, Sections I and II, will be inspected annually by instructors in musketry or by signalling officers. For instructions for inspection and testing *see* Regulations for Preservation of Artillery Equipment.

The report of inspection is to be made for the information of the G.O.C., and no reference need be made to the War Office unless the inspection shows that equipments appear to be defective in design, in which case proposals to remedy defects should be submitted in the usual way.

D.—TELEPHONE EQUIPMENT.

283. Sets of stores as detailed in Appendix XXIX will be issued for the instruction of telephonists of Royal Horse, and Royal Field Artillery in the following proportions:—

				Sets.
Aldershot Command	...	...	...	2
Northern Ireland District	...	...	...	2
Eastern Command	...	...	...	1
Southern Command	...	...	...	1
Western Command	...	...	...	1
Northern Command	...	...	...	1
Scottish Command	...	...	...	1

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284. Unserviceable Telephone sets, D., Mk III., as and when available, are allowed for instructional purposes in the proportions shown below :—

	For each.
Cavalry regiments	1
Cavalry divisional signals :—	
Headquarters	1
Each cavalry brigade troop	1
Divisional signals :—	
Headquarters	2
Each R.F.A. brigade section	1
Each Infantry brigade section	1
Army F.A. Brigade signal section	1
Medium artillery brigade signal section	1
Pack artillery brigade signal section	1
Artillery Batteries :—	
(All natures)	1
Infantry battalions	1
Signal training centre	10

SECTION XIII.—PHOTOGRAPHS AND TEXT-BOOKS.

285. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Artillery College, for instructional purposes. See paragraph 13190, List of Changes.

286. Text books, handbooks, and range tables will be issued as laid down in E.R., Part 2, Sections XI and XII.

SECTION XIV.—MISCELLANEOUS STORES.

287. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the allowance for miscellaneous stores granted by the Allowance Regulations.

288. Old woollen or old linen material required for cleaning purposes, in addition to the free issues authorized by regulation, may be obtained from the R.A.O.C. on payment, when the quantities required can be spared from local stock. The rates to be charged will be those notified in the half-yearly statements issued by the D.O.O. The cost of transport must be borne by the purchasing unit.

289. Machines, or hand clippers, for clipping animals will be allowed in the following proportions :—

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Clippers, horse	For units with an establishment of 24 animals or less, 1 for every 8 animals or less.
(For hogging manes.)	For other units with an establishment of 25 animals or over, 1 for every 50 animals or less.
Machines, horse clipping (a)	1 for every 25 animals or over up to 100 animals, plus 1 machine for every additional 100 animals or less.
Knives (spare)	3 for each machine.
Lamps, singeing	1 for every 50 animals or less.
Wicks (spare)	1 for each lamp.
Oil, lubricating, G.S., pints	1 for each horse clipping machine per annum.
Grease, lubricating, yellow, lbs.	2 for each horse clipping machine per annum.
Petrol (b)	Not exceeding 3 pints for each singeing lamp per annum. (If petrol is not available, paraffin will be issued in lieu ; the lamp is capable of burning either.)

Care should be taken to remove as much dirt as possible from coats of animals prior to clipping, otherwise the knives of the machines are speedily blunted and rendered useless.

Frequent lubrication of the clipping heads and chains of the machines when in use is vital to easy working and efficient cutting.

Whilst the machine is running, the front edge of the clipping head must be dipped in oil every few minutes. Absence of proper lubrication not only makes the machine run hard, but sets up undesirable friction between top and bottom plates of the clipping head, destroys the temper of the plates, and renders them prematurely unserviceable.

The same destructive effect is produced if the tension nut on the clipping head is screwed down too hard ; the tension should be only just sufficient to admit of the hair being cut.

After each animal has been clipped, the chain must be removed from the flexible shaft and well smeared with grease *all over*. The presence of grease on the upper end of the chain is not sufficient ; it is at the lower end where curved and bent that grease is most required.

(a) Where electric clipping machines are installed, they will be replaced, when worn out, by hand clipping machines.

(b) R.A.S.C. supply.

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Liquid lubricants must not be used for the chain ; paraffin oil must not be used on any part of the machines.

It is important that units should always be in possession of serviceable knives for the horse clipping machines. Steps should be taken by units to forward immediately to the R.A.O.C. any knives which require regrinding.

Machine clippers must not be employed for the purpose of keeping down "hogged" manes.

Instructions for setting up and operating the horse clipping machines are issued with the machines. Care should be taken to ensure that these instructions are rigidly observed.

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290. "Chests, clothing or school materials" (or "boxes, clothing or schoolmasters"), will be issued for the storage of clothing in the proportions laid down in Appendix XXV. They will be returned to store prior to embarkation of the unit for India.

291. Drawing instruments as detailed in Appendix XXVII will be supplied for use in offices in which a General Staff Assistant is employed.

292. *Cancelled.*

293. A blackboard and easel complete, for instruction of N.C.Os. and men of the R.A.M.C. in various technical subjects, will be issued to the headquarters of companies (except to A and B Companies), and to the undermentioned detachments at home and abroad :—

Home.

Gosport.
Shorncliffe.

Abroad.

Hong Kong.
Gibraltar.
Valetta, } Malta.
Cottonera, }
Alexandria, } Egypt.
Cairo, }

294. One foot of wick will be issued by the R.A.O.C. with each oil-burning lamp or lantern, except those issued to R.A.S.C. for barrack services.

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295. Cattle killers (with cases) and 100 cartridges for use with each, and "Sprays, disinfectant" are issuable in peace on the scale shown below. They will be accounted for in the ledgers of Station Veterinary Hospitals, and distributed as may be considered necessary by the Administrative Veterinary Officers of Commands concerned.

The numbers detailed include sufficient to cover the requirements of horse collecting centres on mobilization.

Commands.	Proportions of		Remarks.
	Cattle killers.	Spray disinfectors.	
Aldershot	8	14	
Eastern	12	16	
London District ...	4	4	
Northern	8	8	
Southern	6	12	

296. The following articles may be issued on loan to units for the purpose of carrying out the instruction of men as stretcher bearers. See King's Regulations :—

Stretchers, ambulance—As required, but not to exceed 4 per unit.
Caps, knee, musketry—6 per ambulance stretcher.

297. Slings, horse, sea transport for the instruction of troops in slinging horses for embarkation, will be held on charge at military stations or commands as follows :—

The distribution of these slings within their commands will be left to G.O.C.

Stations or commands.	No. of slings.
Aldershot Command	21
Eastern "	20
Northern Ireland District	28
Northern Command	8
Scottish "	6
Southern "	46
Western "	2
Guernsey and Alderney District	2
Jersey District	3
London District	10
Bermuda	2
Ceylon	2
Egypt	10
Gibraltar	2
Jamaica	4
Malta	3
Mauritius	6
North China	1
Sierra Leone	1
South China	6
Malaya	2

298. Consumable stores for veterinary purposes will be issued in the proportions given in the following table, on the indent of the veterinary officer countersigned by the C.O. of the unit concerned. The issue voucher upon which they are charged will be signed by the veterinary officer only.

CONSUMABLE STORES FOR VETERINARY PURPOSES.

Not applicable to R.A.S.C. Remount Depots (*see* E.R., Part 2, Section III).

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Three Months' Supply.

Description.	For every 100 public riding or draught animals.
<i>Section No. 5A.</i>	
Rubbers, horse	5
<i>Section No. 8A.</i>	
Twine, packing, small oz.	1
<i>Section No. 9A.</i>	
Corks, assorted	6
Soap(a) { carbolic bars	1½
{ soft... .. lbs.	5
{ yellow bars	3
<i>Section No. 13C.</i>	
Bandages, horse	6(b)
Linen, unbleached (for bandages) yds.	8
Sacking, jute, 30 inch "	4
Tape, linen, ½-inch, white pieces	1
Tow, jute lbs.	4
<i>Old Stores.</i>	
Flannel, old (for fomentations) lbs.	7½
Numnahs, old (for foot swabs)	2
STATIONERY SUPPLY.	
Paper { brown, common (for packing) ... quires	½
{ white, fine (for balls) "	½
Pins, mixed oz.	½

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(a) Additional for Veterinary Hospitals:—

Soap	carbolic	bars ...	9
	soft	lbs. ...	30
	yellow	bars ...	20

(b) 25 for every 100 animals may be drawn in Egypt.

299. Instructions for storage and precautions to be taken when handling S.K. (lachrymatory fluid) are detailed in Appendix XXXII and will be strictly observed by all concerned.

300. Units (other than depôts) at home and abroad will hold respirators as follows :—

Face pieces.—On the scale of 1 for each officer and man up to full peace establishment, plus 10 percent. spare as a margin to replace condemnations on mobilization.

Haversacks.—On the scale of 1 for each officer and man up to full peace establishment.

Training containers.—On the scale of 1 for each officer and man on the actual strength of the unit.

Service containers.—Will be issued by R.A.O.C. on mobilization to all Expeditionary Force units on the scale of 1 for each officer and man.

301. Depots will hold complete training respirators (facepiece, haversack and training container) on the scale of 1 for each officer and man on the authorized establishment.

Complete training respirators will also be issued to all recruits at depots, except in the case of cavalry recruits not trained at the depot who will be equipped on joining their home service regiment.

302. Respirators will accompany personnel on all changes of station, including posting from depot to battalion, and transfer from one unit to another.

The number of respirators in possession of units (other than depôts) will be adjusted to the approved scales laid down in paragraph 300 once a quarter, when surpluses consequent on the arrival of drafts, &c., will be returned to R.A.O.C., or deficiencies due to the departure of overseas drafts, &c., will be made up by drawing from R.A.O.C. on indent.

Depots will demand once a quarter such respirators as are likely to be required for equipping recruits.

Respirators in possession of officers who are posted to the War Office for duty, or to non-accounting units, will be written off charge by certificate issue voucher. When officers are re-posted to accounting units their respirators will be taken on charge by certificate receipt voucher.

303. Haversacks and facepieces will be maintained in a serviceable condition and every precaution will be taken to ensure that the latter are correctly fitted.

304. Training containers will not be proof against lethal gases and are on no account to be used in them. If employed in lachrymatory gases they should be inspected beforehand in order to ascertain whether the canisters are outwardly mechanically sound. If any perforations or punctures are apparent, the container should be exchanged. Similarly any containers in which resistance to breathing is prohibitive should also be condemned.

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The following will be issued for the purposes of disinfection with each training respirator in possession of troops:—

Rags, disinfecting, 2.

Izal * (held by units and issued as required).

Respirators will be disinfected twice yearly, and on every occasion that the facepiece changes ownership. When disinfecting, the following procedure will be carried out:—

- (i) A solution of Izal will be prepared, 3 parts of Izal to 100 parts of water.
- (ii) The rubber connecting tube will be detached from the container, and the middle finger inserted into the end of the rubber tube to block it. The valve will then be pinched between the thumb and first finger of the left hand.
- (iii) The facepiece will be supported with the right hand, while the cup so formed is filled with disinfectant solution by an assistant.
- (iv) After five minutes, as much disinfectant solution as possible is to be run out through the valve, the remainder being emptied out in any convenient way.
- (v) The whole facepiece will then be thoroughly washed out with water and allowed to dry.
- (vi) Containers—the inside of the neck of the container will be carefully wiped out with a rag moistened with the Izal solution, the greatest care being taken to prevent any of the Izal solution penetrating to the chemicals in the container.

The facepiece will be cleaned after use in order to keep it in a wholesome condition, and the following procedure will be carried out:—

- (i) A solution of 1 part of Izal to 200 parts of water will be used.
- (ii) Soak the rag in the disinfectant solution and sponge the whole of the inside of the mask, including nose-clips and mouth-piece.
- (iii) Wash out with water and allow to dry.

Where masks are adjusted in the morning and again in the afternoon of the same day, the facepiece will be cleansed after the afternoon parade only.

BICYCLES.

305. General or other officers commanding may authorize the issue of service bicycles under the provisions of paragraph 5, subject to each of the following conditions obtaining:—

- (i.) The allowance during the preceding 12 months has exceeded £4 10s. 0d.
- (ii.) The service is of a permanent and continuous nature.
- (iii.) The service is such that due supervision of the use of a public

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bicycle can be exercised, and that repairs can be executed in Government workshops.

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All authorities are to be reviewed annually, on the 31st March, and bicycles will be withdrawn in all cases in which the condition laid down in (i) would have not been satisfied.

306. Government bicycles are to be used only on military duty or service connected with military requirements. C.Os. will be responsible for the proper care and preservation of service bicycles by soldiers or others under their command.

Padlocks, bicycle, and chains will be issued with all bicycles supplied for cyclist orderlies. They will be obtained on indent from the R.A.O.C. for this purpose and will be considered part of the equipment of the bicycle. When not in use for chaining up the bicycle they will be carried in the tool bag.

307. When the services of a certificated N.C.O. are available, such soldiers as are called upon to ride bicycles should, whenever possible, be previously instructed in the correct method of effecting adjustments and minor repairs. The syllabus for such instruction is given in the Handbook on Military Bicycles.

308. Bicycles, other than those issued under paragraph 305, will accompany units on change of stations at home. In the event of a unit proceeding to or from a station abroad, the machines will be returned to the R.A.O.C.

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Bicycles issued under paragraph 305 will be dealt with as in paragraph 65.

309. Detailed instructions regarding the care, preservation, and repair of service bicycles are included in Instructions for Armourers; general instructions for the guidance of all users are contained in the Handbook on Military Bicycles, a copy of which will always be carried in the tool bag of the machine to which it belongs.

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In order to fix responsibility for loss or damage, transfers of machines between individuals will be recorded in this book.

310. Any loss or damage should be immediately reported by the rider concerned.

311. Annual inspections of service bicycles will be arranged for by the C.I.S.A. as laid down in the R.A.O.S., Part I.

SOAP.

312. An initial issue of one piece of soap will be made by the R.A.O.C. to every soldier entitled to a free kit of necessities under the Clothing Regulations, and will be kept up in peace at his own expense as part of his kit.

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Soap supplied by the R.A.O.C. for the personal use of soldiers will be accounted for in the regimental equipment ledger.

313. For war, soap will be supplied free to officers, warrant officers, N.C.Os. and men as required; one 3-oz. piece will be carried by each man.

314. Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

315. Soap will also be supplied on payment at the published rates ; credit will be given in A.F. P 1963 for the total number of pieces issued on payment.

MECHANICAL TRANSPORT.

316. Outfits and consumable material for the care and preservation of mechanical transport vehicles are detailed in Appendices XVI and XVII.

The war scale of lubricants for mechanical transport vehicles and workshop plant is detailed in Appendix XVIII.

317. Materials for the repair and maintenance of mechanical transport vehicles and company workshop equipment enumerated in the Priced Vocabulary of Stores will be demanded in such quantities as may be necessary by O.C. mechanical transport companies and detachments, as directed in paragraph 24.

The stores demanded will be limited to the actual estimated requirements for a period of three months, and any unnecessary accumulation will be reported by the C.O.O. when examining A.Bs. 43 and 283 and A.F. G 3927 in accordance with paragraph 369.

Articles required to replace worn out parts for mechanical transport vehicles, which cannot be manufactured in the company or detachment workshop, and which are not included in the Priced Vocabulary of Stores, will be demanded on A.F. G 1058 from the M.T. Stores Depot, R.A.S.C., Feltham, Middlesex, fortnightly by units serving at home and monthly by bases and units serving overseas.

TANKS.

318. Tanks, their spare parts, tools and stores—except fuel for engines—are supplied by the R.A.O.C. Indents will be submitted to local C.O.Os., who will arrange for supply to be made by C.O.O. Didcot. (See also paragraph 373.)

SECTION XV.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING.

319. Tools and stores for the instruction of regular units of cavalry, artillery, engineers, and infantry, in military engineering, will be supplied in the manner and in the proportions detailed below.

(i) TOOLS FOR INSTRUCTION IN FIELD WORKS.

Tools which form part of the peace equipment of units will in all cases be utilized. They will, in the case of the units mentioned below, be supplemented by additional tools to be obtained from the following sources :—

ROYAL ENGINEER UNITS.

(a) *Railway and Searchlight Companies.*

Additional tools as considered necessary by the G.O.C. will be issued from the approved establishment of stores maintained for these units at Aldershot and Longmoor.

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83 Stores for Military Engineering.

(b) *Fortress and Survey Companies.*

Additional tools as detailed in Table 1, Appendix VI, will be temporarily issued from stock in R.E. or R.A.O.C. general charge, or from the approved reserve held at the station for local defence scheme. (See paragraph 323.)

(c) *Field Companies.*

Boxes, testing and jointing ; and ladders, scaling, may be issued from the sources mentioned in sub-paragraph (b).

INFANTRY BATTALIONS.

When mobilization equipment is held at the station by or for the unit, pickaxes, billhooks and shovels may be issued from that equipment as directed in E.R., Part 2, Section I.

When mobilization equipment is not held at the station these tools may be issued from R.A.O.C. general stock, or from the approved reserve held at the station for local defence scheme. The numbers issued will not exceed those laid down as the war equipment of units.

Any tools other than those mentioned above would have to be improvised on active service, and should therefore be improvised for instructional purposes during peace.

Attention is directed to paragraph 323.

(ii) STORES FOR BRIDGING, MINING AND RAILWAY PURPOSES.

Details of the sets of stores allowed for these purposes are contained in Appendix VI, Table 2.

The number of sets of bridging material allowed includes sufficient to admit of instruction in bridging being imparted to units of the Territorial Army.

The number of sets allowed for each command will be as follows :—

Commands and districts.	Bridging sets.	Railway sets.	Mining sets.
Aldershot Command	7	3	3
Eastern "	6	3	3
Northern Ireland District	3	3	4
Northern Command	8	1	1
Scottish "	9	1	...
Southern "	8	5 (a)	3 (a)
Western "	8	1	1
Guernsey and Alderney District—			
Alderney	...	1	1
London District	2	...	...
Bermuda	1	$\frac{1}{2}$	...

(a) 2 of these sets are for training companies in siege work. For details of sets, see Table 2, Appendix VI., E.R., Part 1, 1912.

(b) Reduced set, details of which have been communicated by War Office letter to the G.O.C.

57 Gen. No. 375	Commands and districts.				Bridging sets.	Railway sets.	Mining sets.
	Ceylon	...	...	...	—	$\frac{1}{2}(c)$	$\frac{1}{2}$
	Egypt	...	...	...	3	1	1
	Gibraltar	...	...	...	1	1	1
	Hong Kong	...	...	...	1 (b)	1	1
	Jamaica	...	...	...	1	$\frac{1}{2}$	$\frac{1}{2}$
	Malaya	...	...	...	1	$\frac{1}{2}$	$\frac{1}{2}$
	Malta	...	...	...	2	1	1
	Mauritius	...	...	...	1 (b)	$\frac{1}{2}$	$\frac{1}{2}$
	North China	...	...	...	1	—	—
	Sierra Leone	...	...	...	1	$\frac{1}{2}$	$\frac{1}{2}$

(b) See note (b) on p. 83.

(c) Except the plant, railway, old, detailed in Table 2, Appendix VI, pages 171 and 172.

All bridging spars and ropes should be tested annually in the manner prescribed in Military Engineering (Part III)—Military Bridging, etc., 1913.* A testing and weighing machine is held on R.A.O.C. charge in each command for issue on loan when required.

(iii) EXPENDABLE STORES.

A.—Royal Engineer units.

Expendable stores (including explosives) may be purchased locally. The annual expenditure for such stores will not exceed the following amounts; unexpended balances will not be carried forward:—

For each Field Squadron, one	...	...	...	} Amounts are subject to fluctuation and will be notified from time to time in A.C.Is.
„ Field Company	...	...	...	
„ Railway Company	...	...	...	
„ Other Company—	...	...	...	
Strength not exceeding 40	...	...	...	
„ over 40 and not exceeding 75	...	...	...	
„ „ 75	...	...	100	
„ „ 100	...	...	125	}
„ „ 125	...	...	...	

Arrangements for the purchase of the stores will be made either by the C.O.O. or by the O.C. the unit on behalf of the C.O.O., to whom bills (duly certified by the O.C.) will be passed for payment. Bills will be classified to Vote 9 C.

Should any of the stores required be available in R.A.O.C. charge they may be issued, their value being deducted from the money allowance.

B.—Other units.

The proportions in which annual issues will be made are detailed in Appendix VI, Tables 3 and 4.

* Instructions for testing spars, etc., will eventually appear in Military Engineering, Vol. I. (Materials).

85 Stores for Military Engineering.

320. Spars or other suitable timber for bridging or mining purposes, planks, hutting poles, handrails, sheeting miners, and miscellaneous N.I.V. articles, whether for the use of the regular forces, or for the instruction of R.E. units of the militia or the territorial army will be provided locally, either by hire or purchase. The annual expenditure in this connection will not exceed the following sums; unexpended balances will not be carried forward:—

Commands and districts.	Not exceeding annually. £	Command.	Not exceeding annually. £
Aldershot Command ...	}	Bermuda ...	}
Eastern " ...		Ceylon ...	
Northern " Ireland		Egypt ...	
District ...		Gibraltar ...	
Northern Command ...		Hong Kong ...	
Scottish " ...		Jamaica ...	
Southern " ...		Malaya ...	
Western " ...		Malta ...	
Guernsey District ...		Mauritius ...	
Jersey District ...		North China ...	
London District ...		Sierra Leone ...	

* Amounts are subject to fluctuation, and will be notified from time to time in A.C.I.s.

Arrangements for the purchase or hire will be made by the C.O.O. in consultation with the C.R.E. Whenever necessary Os.C. R.E. units may carry out the hire or purchase of timber locally, in which case the bills will be certified by the O.C. the unit before being passed to the C.O.O. for payment. Bills should be classified to Vote 8 B.

321. Timber purchased locally by Os.C. R.E. units under paragraph 320 will be taken on ledger charge by them; any remaining on hand at the conclusion of the training will be disposed of as directed by the C.R.E.

Other timber obtained under paragraph 320, and the stores for bridging, mining, and railway purposes, mentioned in paragraph 319 (ii), will be held on charge by the C.R.E. He will make arrangements for instruction to be imparted with the aid of these stores, will allot ground and issue the stores in such manner as the G.O.C. may direct, and will apply for transport for moving the stores from one station, or unit, to another as required. Annual estimates for the maintenance of these stores to approved establishments will be transmitted not later than the 1st August, on A.F. G 989, by the C.R.E. to the C.O.O. The stores included in these

estimates will be indented for by the C.R.E. as required, on A.F. G 993.

322. Annual indents for the expendable stores allowed by Tables 3 and 4 of Appendix VI will be transmitted by units to the C.O.O. not later than the 1st March.

The whole of the stores will, upon receipt, be brought upon equipment ledger charge by the unit; stores purchased by Os.C. R.E. units under paragraph 319 (iii) being brought on charge by certificate receipt voucher. Quantities expended will be written off by expense voucher upon the certificate of the C.O. that the expenditure has actually taken place. Any unexpended balance remaining at the end of the training season may be retained towards meeting the following year's requirements, the quantities in hand being shown on the annual indent submitted to the C.O.O. Sandbags may be accumulated up to, but not exceeding, treble the quantities allowed as the annual supply.

323. Stores temporarily issued from local reserve under paragraph 319 should be carefully overhauled immediately upon the conclusion of each season's peace training, and replaced in that reserve, any which have become unserviceable being at once exchanged.

All used articles returned for storage with local reserves must be thoroughly cleaned by the unit by which they have been used for peace instruction, the cutting edges of tools must be placed in good condition, and all metal articles or metal portions of articles greased.

Tools forming part of the local reserve are not on any account to be used for general purposes in peace. Picks and shovels required for general barrack use will be drawn and held on inventory; when required for general use in camp they should be demanded with other camp equipment.

SECTION XVI.—MARKING OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

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1919
8
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520

324. Stamps, paint, &c., are supplied to the various services requiring them, for marking small arms, accoutrements, steel helmets, respirators, harness and saddlery. The adoption of an unauthorized method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

325. Except as specifically provided for in these regulations, no equipment will receive any indelible corps marks. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

326. Small arms stored for infantry and R.A.O.C. reservists will be marked with corps marks and numbers during peace. The numbers will be from 1 upwards, and must be preceded by the letter "R," *e.g.*, R 1, R 2, &c.

Small arms stored for other reservists, accoutrements, harness, and saddlery issued to, or taken into use by, troops on mobilization will be marked with as little delay as possible, with corps marks and progressive numbers.

327. D.P. or E.Y. arms are already so marked on the barrel, body, butt, and fore-end, and in consequence no corps marking will be necessary when they are taken into use by troops.

A.O. 423

1920

A.O. 66

1922

328. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to units in excess of their peace establishment (*see* para. 338).

329. Should additional accoutrements be issued to detachments (*see* paragraph 103), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03.

330. Marking of equipment will be performed by the unit free of charge, exception being made in the case of the engraving of piccolos and flutes (*see* paragraph 342 (2)).

A.O. 112

1919

331. The paint required for marking baggage (*see* King's Regulations) may be purchased by C.Os. as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, &c.

332. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they belong.

333. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, and on all vehicles, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS.

334. All small arms except D.P., E.Y., Extra Service and those for issue on mobilization (*see* paragraphs 326 and 327) will be marked regimentally with corps marks and consecutive numbers. Full instructions as to marks will be found in R.A.O.S., Part I.

A.O. 116

1922

Care should be taken that the marks on the small arms are not too deeply stamped.

335. In cases where the services of an armourer are not available for marking the small arms C.Os., in making indents on the R.A.O.C., will state the particulars of the corps marks and numbers that should be placed upon the articles.

336. Small arms issued to replace others will be given the numbers of the articles replaced.

D.—MARKING ACCOUTREMENTS.A.O. 66
1922

337. All accoutrements, except those for mobilization (*see* paragraph 326), when received by the troops will be marked, before being taken into use, to correspond with the small arms.

338. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks.

339. Accoutrements will be marked as follows :—

Buff and web accoutrements, haversacks and mess-tin covers	{	$\frac{1}{2}$ -inch copper inlaid stamps (a) and black marking paint.
Brown or black accoutrements		
Enamelled iron water bottle covers	{	$\frac{1}{4}$ -inch steel stamps, care being taken that the leather is not cut, but merely indented.
		$\frac{1}{2}$ -inch copper inlaid stamps (a) and "Ink, marking, black." In centre of that portion of cover not exposed to view when bottle is worn. (Bottles should be worn with cord or chain securing cork towards rear.)
Mess-tins	{	$\frac{1}{4}$ -inch steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through. Mess tins for mounted services will always be stamped on the inside in the centre of the lid and bottom portion.

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7733A.O. 170
1922

Branding accoutrements is strictly prohibited.

In all cases when marking black and brown accoutrements, the stoutest parts should be chosen. Bandoliers should be marked on the bodies, and the pockets on the back loops.

340. The whistles of infantry will be marked on one side of the acorn with the territorial letters, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of R.E. and R.C.S. will be marked in the same manner as their small arms. For the purpose of marking, the steel stamps for metal in possession of units for marking small arms will be employed.

341. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

E.—MARKING MUSICAL INSTRUMENTS.

342. Musical instruments will be marked in consecutive numbers, from one upwards in the manner approved for marking small arms. This service will be performed in the following manner :—

- (1) Bugles, drums and trumpets will be marked by armourers with the stamps in possession of units for marking metal articles.

(a) When worn out, will be replaced by stamps, marking textiles.

When the services of an armourer are not available with the unit, the marking of these articles will be performed by the R.A.O.C. prior to issue. In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

- (2) Piccolos and flutes will invariably be engraved locally, and if the work is performed by a soldier $\frac{1}{2}d.$ per letter or figure shall be admitted as a charge against public funds. No soldier who is in receipt of tradesmen's rates of pay will be entitled to be remunerated from this allowance for the performance of any duties in connection with this service unless these duties are performed in his own time, in addition to those for which he receives tradesmen's rates of pay. If it is found necessary to employ civilian labour, C.Os. will ensure that the work is performed at the cheapest rate, and a certificate to this effect will accompany the bill when submitted to the Command Paymaster for payment.

8
Equip. Regs.
520

343. The silent drum for practice will be marked on the cloth, on the under side, with the same stamps as are used for accoutrements.

F.—MARKING HARNESS AND SADDLERY.

344. All articles of harness and saddlery of $\frac{3}{4}$ -inch or more in width will, subject to paragraph 60, when received by the troops for peace use, be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

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1922

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers will be placed on saddlery vertically under the corps marks; and on harness in the same line with, and following corps or sub-sectional marks, as in the specimens given below.

In every case the head collar will be marked with the number of the horse instead of that of the set.

Royal Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery.
A	A Sub-section.
4	No. 4 set of saddlery.
I	I Battery.
R.H.A.	Royal Horse Artillery.
B. 3.	B Sub-section. No. 3 single set of harness.

Royal Field Artillery

- | | |
|------------|---|
| 37. R.F.A. | 37th Battery, Royal Field Artillery. |
| O. 1 | Officers' No. 1 set of saddlery. |
| 37. R.F.A. | 37th Battery, Royal Field Artillery. |
| B | B Sub-section. |
| 1 | No. 1 set of saddlery. |
| 37. R.F.A. | 37th Battery, Royal Field Artillery. |
| B. 3. | B Sub-section. No. 3 single set of harness. |

Cavalry.

- | | |
|---------------|--|
| L.G. (1 & 2). | The Life Guards (1st and 2nd). |
| A | A Squadron. |
| 2 | No. 2 set of saddlery. |
| 17/21 L. | 17/21st Lancers. |
| B. 1. | B Squadron. No. 1 single set of harness. |

Royal Engineers.

- | | | |
|---------------|--------------------|------------------------|
| 1. Co.—R.E.—4 | 1st Field Company. | No. 4 set of harness. |
| 1. Co.—R.E. | 1st Field Company. | No. 4 set of universal |
| 4 | | saddlery. |
| 1. Co.—R.E. | 1st Field Company. | No. 2 set of officers' |
| O. 2 | | saddlery. |

Royal Corps of Signals.

- | | | |
|------------------|-------------------------|---------------------|
| 1. DIV.—R.C.S.—4 | 1st Divisional Signals. | No. 4 set of |
| | | harness. |
| 1. DIV.—R.C.S.— | 1st Divisional Signals. | No. 4 set of |
| 4 | | universal saddlery. |
| 1. DIV.—R.C.S. | 1st Divisional Signals. | No. 2 set of |
| O. 2. | | officers' saddlery. |

Royal Army Service Corps.

- | | |
|---------------|--|
| 10—R.A.S.C. 4 | No. 10 company Royal Army Service Corps. |
| | No. 4 single set of harness. |
| 10—R.A.S.C. | No. 10 company Royal Army Service Corps. |
| 4 | No. 4 set of universal saddlery. |
| 10—R.A.S.C. | No. 10 company Royal Army Service Corps. |
| O. 4 | No. 4 set of officers' saddlery. |

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1922.

345. The leather work will be marked with $\frac{1}{4}$ -in. steel stamps, immediately under the W.D. and broad arrow.

346. The ironwork will be marked with $\frac{1}{8}$ -in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

347. If, on a transfer of harness or saddlery, any of the sets received are found to bear numbers already on the harness or saddlery on charge, the articles will be renumbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

348. The harness and saddlery issued to infantry battalions will be marked before issue, by the R.A.O.C., according to the principles laid down in paragraph 344.

349. Sheepskins, nosebags and corn sacks will be marked with marking ink; saddle blankets and horse rugs with "ink, marking, black." "Stamps, copper, inlaid, $\frac{1}{8}$ -inch," (a) will be used, and the marking will be placed immediately under the W.D. store mark.

G.—MARKING STEEL HELMETS AND RESPIRATORS.

350. Steel helmets, and respirators (and haversacks) forming part of the personal equipment of all ranks (including officers) will be marked as follows:—

OFFICERS.

Steel helmets and respirators (and haversacks) will be marked with the officer's rank and name. Containers will be marked as for other ranks. The positions of the markings to be as shown below.

OTHER RANKS.

Steel helmets will be marked with the "Corps mark" and the soldier's equipment number on the felt pad and also under the lining of the helmet.

Respirators will be marked with the "Corps mark" and the soldier's army number on the outside of that part of the band which passes under the chin.

Containers of respirators will be marked "T.R." and in addition, on issue to individuals, they will be marked on the top of the container with the date of issue (month and year).

Haversacks (respirators) will be marked with the "Corps mark" and the soldier's army number on the inside of the flap.

351. The steel helmets and respirators will be marked with black paint using "Stamps, copper, inlaid, $\frac{1}{8}$ -inch" (a).

Haversacks will be marked with "Ink, marking, cotton. using $\frac{1}{2}$ -inch stamps.

H.—MARKING CAVALRY, GUARDS AND RIFLE DEPOT EQUIPMENT.

352. The small arms and accoutrements (except those stored for reservists) and musical instruments in possession of Cavalry Depot will be marked:—

The Cavalry Depot Cav. Dep.

(a) When worn out, will be replaced by stamps, marking textiles.

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353. In Guards and Rifle depots the small arms and accoutrements (except those stored for reservists) and musical instruments will be marked with the approved regimental initials, followed by the letter D.

I.—MARKING VEHICLES AND BICYCLES.

354. Instructions for marking vehicles and bicycles are given in Appendix XIX.

J.—MARKING GUNS, MACHINE, LEWIS, .303-INCH.

355. Lewis machine guns (except D.P.) will be marked regimentally with corps marks and consecutive numbers. (See R.A.O.S., Part 1.) Spare butts will not be numbered.

356. In cases where the services of an armourer are not available, C.Os. will take action as in paragraph 335.

SECTION XVII.—REPAIR AND PRESERVATION OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

357. On completion of the annual training, C.Os. will cause a special examination to be made of all equipment with a view to any article requiring repair being put in a serviceable condition at the earliest possible moment. Particular attention will be given to signalling, field telephone, machine gun, and reconnaissance equipment, and to vehicles.

358. C.Os. will not allow or pay for the performance of any work in connection with repair, authorized conversion or overhaul of equipment for which there is no regulated provision, without previous authority being obtained, at home from the War Office, and at stations abroad from the G.O.C.

359. Except when otherwise specified in these regulations, the repair and painting of all stores that can be performed by the military tradesmen will be executed by them, under the superintendence of their C.O., free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase.

360. The allowances of materials and working pay for painting vehicles, &c., are laid down in—

E.R., Part 2, Sections XI and XII for R.A. units.
Appendix XX for other regular units.

A.O. 342
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A.O. 172
1920

No soldier who is in receipt of tradesmen's rates of pay will be entitled to be remunerated from this allowance for the performance of any duties in connection with the service for which the allowance is granted, unless those duties are performed in his own time, in addition to those for which he receives tradesmen's rate of pay.

The vehicles in possession of Foot Guards and R.A.S.C. companies stationed in London may be painted half yearly. In the case of other units, if vehicles require painting more than once a year the authority of the G.O.C. must be obtained for the issue of materials.

The repainting of vehicles, &c., should be limited to patching and one coat of paint.

Charges for working pay under this paragraph will be adjusted in the accounts of the command paymaster.

361. The following parts of vehicles, &c., in use will be kept clean and free from paint and rust :—

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1920

Guns, Gun Carriages, Ammunition Wagons and Limbers.

Clinometer planes, bearing parts, working surfaces, metal handwheels, handles of steel handwheels, levers and pawls, range and elevation scales with their pointers, traversing indicators, guides on gun and guideways in cradle, and brass parts on carriage which are much handled.

All other parts must be painted. Should the paint become chipped or worn off it must be renewed.

Other vehicles.

Frictional surfaces and working parts of gears ; ends of poles ; ends of axles ; drag washers ; brake wheels and all brasswork.

In cleaning bright parts care is to be taken to avoid the use of coarse grinding materials such as sand, emery, bath brick, files, &c., which wear the surfaces. This particularly applies to gears.

Straps and other leatherwork on vehicles should be periodically dressed with dubbing.

362. The services of the military tradesmen will, when the duties of their own unit permit, and at the discretion of the G.O.C., be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with military tradesmen, or requiring additional assistance in exceptional circumstances.

A.O. 342
1921

363. When repairs cannot be executed by the military tradesmen at the disposal of a unit, an indent on A.F. G 1045 will be rendered in duplicate to the C.O.O., who will arrange for the performance of the work.

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When articles sent in for repair are of such a nature that their temporary withdrawal would be detrimental to the training of the unit, a note will be made in red ink on the repair indent to the effect that the stores are required for training ; the actual date they are required will invariably be stated.

No repair indent will be marked urgent without a full explanation of the urgency being given in the column of remarks.

364. In the event of undue delay in the return of equipment sent to government factories for repair a special report should be made by the G.O.C., to the War Office, on the subject.

365. Whenever any service in connection with gun mountings, machinery, engines or gear used exclusively by the R.A. and R.A.O.C. is beyond the resources of the corps concerned, application should be made to the R.E. for assistance.

A.O. 342
1921

366. Whenever repairs, painting, or other services, involving the grant of working pay or payments to contractors, are required in connection with the equipments of a unit, an indent, on A.F. G 1045 in duplicate, accompanied by a certificate that the work cannot be performed by soldiers who are already paid as military tradesmen, will be made by the C.O. on the C.O.O. The nature of the work to be performed will be stated, and the cost at which it could be carried out by troops receiving the authorized rates of working pay or by local contract.

367. The officer making the repair indent will then be informed of the manner in which the service should be performed; and if it be decided to employ soldiers who are not already paid as military tradesmen, he will, on the completion of the service, certify on the original repair indent that the work has been efficiently carried out. The original repair indent so certified will then be attached to the working pay list as a voucher in support of payment.

368. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by C.Os. be sanctioned by G.O.C., except in special cases which should be reported for covering approval.

A.O. 208
1922

369. In order to regulate the expenditure of material for repair and of consumable articles, A.Bs. 43, 281, and 282 (or 283), will be carefully kept by the units concerned, the ledgers being balanced on the 31st March.

Stock will be taken every six months by an officer deputed by the C.O., and compared with the quantity received and the amount expended. The result will be reported to the C.O., who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible, and recovered on A.F. P 1963.

A.O. 196
1921

The above-mentioned books, also A.F. G 3927 so far as R.A.O.C. stores used in repair of M.T. vehicles are concerned, will be examined once in two years by the C.O.O. of the area, or by officers deputed by him to act on his behalf, not with a view of a detailed audit being made, but with a view of determining whether the regulations have been properly carried out.

The regimental storekeeper will examine A.B. 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

When units proceed to India, A.B. 282 or 283 will be balanced and forwarded to the C.O.O.

370. Materials supplied for purposes of repair will not, except under special authority, be used for the manufacture of new articles.

371. In making indents for materials for repairing equipment, C.Os. will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorized proportion.

372. In order to keep Is.O.M. informed of the nature of the repairs carried out by R.A. artificers, and the condition of armaments, a copy of the entries in A.B. 281 made by the senior R.A. artificer (fitter) will be forwarded each week to the C.O.O. of the area or district, by the O.C. battery, sub-district, or brigade (in the case of brigade artificers), who will note on the return any matter of importance concerning equipments to which it is considered that the attention of the I.O.M. should be drawn.

The rendering of this report in no way relieves Os.C. batteries from being responsible for the condition of their equipments.

A.—1. Tanks.

373. *Inspection.*—The tank engineer of the battalion and the I.O.M. of the area or command, will make a joint overhaul and inspection of tanks and fittings at the end of the training season, and their certificate will be the authority to replace any defective components. Should interim inspections be found necessary, they should be arranged between the O.C. Tank Battalion and the A.D.O.S. Should a defect develop in the interval between these inspections which, in the opinion of the O.C. unit, necessitates the exchange of a component, his certificate will be accepted as authority to issue the store.

These inspections will, whenever possible, be made in an ordnance workshop.

Repairs. (a) The maintenance in running order of tanks on charge of units by the replacement of damaged parts, by means of tool equipment supplied with a tank, is the function of the crew.

(b) All other repairs will be carried out by the R.A.O.C. When repairs are carried out in ordnance workshops, the tank crew will be made available to assist ordnance artificers in carrying out such repairs.

The instructions in this paragraph do not apply to Tank Corps Centre, Wool.

A.—2. Armoured Cars.

374 *Inspection.*—At the end of the training season inspections will take place of:—

(i) Armament and fighting equipment.

(ii) The chassis and vehicular equipment of armoured cars.

These inspections will be made jointly in the case of (i) by the tank engineer of the Group* and by an I.O.M. detailed by the C.O.O.

* If the tank engineer of the Group is not available, then by the O.C. Unit or by an officer deputed by him.

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of the area ; in the case of (ii) by the tank engineer of the Group* and an officer of the R.A.S.C. under arrangements to be made at home stations by the C.I.M.T. and at stations abroad by the A.Ds. of S. & T. The certificates of these officers will be the authority to replace defective components. Should interim inspections be found necessary, they should be arranged between the O.C. unit and the A.D.O.S. Should a defect develop in the interval between these inspections which, in the opinion of the O.C. unit, necessitates the exchange of a component, his certificate will be accepted as authority to issue the store.

Repairs.—(a) The maintenance in running order of armoured cars on charge of units by the replacement of damaged parts, by means of the tools and workshop equipment supplied to the unit, is the function of the unit.

(b) All other repairs, and the re-conditioning of parts exchanged under sub-para. (a) will be carried out as follows :—

- (i) To armament, armour and fighting equipment, in R.A.O.C. workshops under the arrangements of the C.O.O. of the area.
- (ii) To chassis and vehicular components, in R.A.S.C. repair shops under arrangements to be made by the A.Ds. of S. & T. The general overhaul of chassis is included under this heading.

B.—SMALL ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY.

1. Small Arms and Bicycles.

375. Armourers (warrant officers and N.C.Os. of the Armourer Section, R.A.O.C.) are posted to commands for duty at army ordnance depots or for employment as circuit armourers. These armourers are under the immediate orders of the C.O.O. of the area in which they are stationed. Armourers are also attached to regiments of cavalry and battalions of infantry, and to such other units as may be specially approved.

376. The stripping or removal of any part of a small arm, except by an armourer, is strictly forbidden. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy, authorized by the Musketry Regulations.

377. Should a C.O. doubt whether small arms of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion ; the question will be dealt with by the G.O.C., the C.I.S.A. being referred to if necessary.

At stations abroad where the necessary apparatus is held by the R.A.O.C. the tests of sword-bayonets as described in Instructions for Armourers will, when necessary, be carried out by the R.A.O.C. These small arms are only to be tested when there is

* If the tank engineer of the Group is not available, then by the O.C. Unit or by an officer deputed by him.

doubt as to their serviceability. Periodical testing is not to be resorted to, as frequent bending destroys the serviceability of the blade.

378. Oil and material for the preservation and cleaning of small arms are supplied to all units in possession of small arms. Units provided with an armourer will also be supplied with the implements, stores, and browning mixture required for repairing and browning small arms in the proportions detailed in Appendix VIII. Instructions for the care, repair, browning, &c., of small arms are printed in the Instructions for Armourers.

379. When materials are required for the repair of small arms, the O.C. a squadron or company will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The C.O. will subsequently satisfy himself that the repairs have been executed.

380. Armourers will furnish the O.C., the company or detachment, with a detailed report of each inspection, upon A.F. G 1048.

381. When a unit requires components in excess of the authorized allowance, the O.C. will furnish an explanation of the cause. The matter will be dealt with by the G.O.C., under paragraph 5; and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the components are required in connection with a viewer's inspection, the C.I.S.A. will enumerate the excess components on his inspection report to the G.O.C., and will also state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

382. Barrels of rifles damaged beyond local repair will be exchanged for serviceable barrels with bodies, which will be fitted by the armourer, the unserviceable barrels with bodies being returned to the local ordnance depot. The foregoing applies also to pistol barrels and "cylinders assembled." All other small arms damaged beyond local repair will be returned to the R.A.O.C., and new ones demanded to replace.

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383. Regular units not provided with an armourer will have their small arms and bicycles inspected annually by a circuit armourer detailed by the C.O.O. of the area. This arrangement does not relieve C.Os. from responsibility as to the care and repair of the small arms and bicycles, and arrangements will be made by them for such general supervision of the work of the armourers as will ensure its being properly carried out. They should also arrange for the bicycles on charge to be inspected weekly by an officer. Should repairs be required between the annual visits of the circuit armourer, the C.O. will apply to the C.O.O. who will arrange for the execution of the repairs, either by detailing an armourer to visit the unit or by having the damaged small arms or bicycles sent in to the ordnance depot for repair, whichever course may be most convenient and economical.

384. Circuit armourers will be supplied in advance by the O.O. with small arm and bicycle components, including "barrels with bodies" and tyres estimated to be required for repairing the

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Various descriptions of small arms and bicycles. Such supplies will be written off charge in the ordnance accounts by expense voucher. On completion of the tour, the circuit armourer will produce lists of the components expended on the small arms and bicycles of each unit, supported by the certificate of the C.O. that he is satisfied that the quantities are correct.

The O.O. after satisfying himself that the components, if any, brought back by the circuit armourers are the correct balance, will bring them on charge by certificate voucher.

385. If on examination of the small arms, the armourer should find one which he considers unserviceable, or which may require more extensive repairs than he is able to execute on the spot, he will report the circumstance to the O.C., who will communicate with the C.O.O. with a view to the small arm being returned to store.

386. The circuit armourer will forward a report on A.F. C 366, showing the result of his inspection, to the C.O.O., and a copy of this report will be forwarded to the O.C. the unit concerned.

When the components expended in the repair of the small arms of a unit are in excess of those allowed by the scale in Appendix VIII, the C.O.O. will call on the O.C. the unit for an explanation, and the matter will then be dealt with in the manner indicated in paragraph 381.

387. Where, owing to the ordnance depot not being centrally situated in connection with a circuit, it is found more advantageous to post a circuit armourer to a station where no ordnance depot exists, such tools and appliances as may be required for his use will be held and accounted for by the O.C. the unit to which he is attached.

The O.C. the unit will obtain from the C.O.O. on indent such components as may be necessary, accounting for them in A.B. 282 and supplying them to the circuit armourer in the manner indicated in paragraph 384.

The circuit of such armourers, and the dates of their visits to the various units in the circuit, will be arranged by the C.O.O.

388. Circuit armourers will inspect annually 5 per cent. of the small-arms stored for reservists in their circuit.

389. The small arms in possession of units or detachments abroad will be examined by an armourer quarterly. Should it not be practicable for the work in connection with units and detachments not provided with armourers to be undertaken by the R.A.O.C., the G.O.C. will detail a regimental armourer to perform the necessary inspection, repair, and re-browning.

In such a case the unit providing the armourer will also provide the necessary materials, which will be obtained from the R.A.O.C. in the proportions laid down in Appendix VIII.

390. On the return of small arms into store any repairs found necessary, which ought to have been performed by the armourer, will be charged against the troops.

391. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel or cost of repair only

will be charged, provided the body is in a serviceable condition. (See paragraph 382.)

392. All tampering with small arms is strictly prohibited. Any damages to small arms so caused will be charged against the troops.

393. Annual inspections of all small arms in possession of the regular forces in Great Britain and Northern Ireland, and of the Royal Military and Staff Colleges, will be made by viewers of the Inspection Branch at such times as may be most convenient to the public service. The cost of any repairs found necessary from any cause other than fair wear or tear will be charged against the troops.

394. After every inspection of small arms, machine guns, or bicycles by viewers of the Inspection Branch, copies of the viewer's rolls and reports, showing the repairs, &c., necessary to put the small arms, machine guns, or bicycles in a serviceable condition, will be forwarded to the O.C., who will subsequently forward a certificate to the C.I.S.A., through the C.O.O. of the area, to the effect that the repairs, &c., shown thereon, have been carried out.

395. Barrels which have been sentenced "Rusty, to be, cleaned by armourer," will be marked by the inspector with the letter "R" on the "knox form," so that the same barrels may not again be reported for rust at subsequent inspections, except when they have become so bad as to necessitate cleaning in the ordnance factory.

396. Barrels of rifles found by inspectors to be cord worn will, if they are not thereby rendered unserviceable, be marked W. No charge will be made against the troops at subsequent inspections on account of cord wear.

The mark will be placed on the left side of the "knox form" at the rear end of the reinforce if the wear is at the breech, and at the front end if the wear is at the muzzle.

397. Stars in front of the "knox form" of barrels of rifles, and on the left hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other portions of barrels denote that a trace of exterior erosion exists in the region of the star. No charge will be made against the troops at subsequent inspections for such cuts or rust. These stars are placed on the small arms at the R.S.A.F. or in R.A.O.C. shops.

398. To enable the armourer to perform the service of browning small-arms, he will receive assistance from men of the unit for such periods as may be certified by the C.O. to have been actually necessary, but the proportion of men to the number of small arms browned must not exceed :—

For 10—30 rifles	1 man	} For 15 days.
„ 31—50 „	2 men	
„ 51—100 „	4 men	
„ 10—50 pistols,	1 man	} For 6 days
„ 51—100 „	2 men	

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For 10—50 sword bayonets and scabbards, 1 man }
 „ 51—100 „ „ „ 2 men } For 3 days.

The same proportion will be allowed for any number of small arms exceeding 100. A greater or less number of men may be employed for a shorter or longer time, provided that the total charge for working pay does not exceed that which would have been admissible if the proportions laid down in this paragraph were adhered to.

Men temporarily employed under this paragraph will be allowed working pay at the rate provided for this class of work in the Pay Warrant, and under the general rules regulating the issue of working pay in the Pay Warrant.

399. When browning of any components of rifles is carried out as the result of inspection by viewers of the Inspection Department, two sets of components (exclusive of barrels, with body, band, inner, etc.) will be considered equivalent to one rifle. Two barrels, with body, band, inner, etc., will also be considered equivalent to one rifle.

400. When new rifles have been issued to units, and the sword-bayonets and scabbards in use with the small arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the sword-bayonet and scabbard components in the following proportions:—

A.O. 280 1922	Labour	$\frac{1}{3}$	} Of the men and time mentioned in para. 398 and of material referred to in Table 8, Appendix VIII.
	Fuel	$\frac{1}{8}$	
	Browning material ...	$\frac{1}{8}$	

401. No charge will be made against the troops for browning their small arms, when the service is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

402. N.C.Os. or men in possession of a certificate granted by the C.I.S.A. or by the Commandant, Artillery College, as having passed a course of instruction in the repair of service bicycles, will carry out repairs—except brazing—to machines on charge of the unit to which they are attached. Repairs, including brazing, beyond the capacity of the unit, will be carried out by the R.A.O.C.

403. Units in possession of service bicycles may keep up a stock of components and materials for repair. These will be accounted for in accordance with paras. 96 and 369. No one article must exceed two shillings in value, and the total value of such stock must not exceed ten shillings per bicycle on charge.

Indents for the maintenance of these stocks will be submitted to the C.O.O. as directed in paragraph 24. When extensive repairs are necessary and the stock of components is inadequate to meet requirements, intermediate indents will be submitted.

Only such components as are supplied by the R.A.O.C. will be used in the repair of service bicycles; local purchase by the R.A.O.C. is prohibited, except in the case of bicycle repair outfits, which will be purchased locally by units on the authority of the C.O.O.

404. Materials for lighting, cleaning and preservation will be issued to all units in possession of service bicycles, in the proportions detailed in Table 2, Appendix IX.

Materials for browning bicycles as detailed in the above mentioned table will be issued to units provided with an armourer.

405. (i) At home stations, one set of tools for the repair of bicycles, as detailed in Table 4 of Appendix IV, will be issued during peace for the use of armourers of cavalry regiments and infantry battalions.

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In the case of other units which have a minimum of 6 bicycles to be kept in repair, one set of tools will also be issued during peace for the use of military tradesmen or artificers capable of using them, or in the absence of such men, for the use of soldiers on the strength of the unit who are in possession of the certificate referred to in paragraph 402 or have passed a qualifying trade test.

On mobilization being ordered these tools will be placed in the "Bag, armourers, bicycle," which is stored with mobilization equipments. For the contents of the bag, see Table 1, Appendix IX.

(ii) Units having a minimum of 6 bicycles in the War Establishment will be allowed bags, armourers, bicycle, and sets of tools for the repair of bicycles, on the following scale—

- 1 bag and 1 set of tools for 6 to 23 bicycles.
- 2 bags and 2 sets of tools for 24 to 40 bicycles.
- 3 bags and 3 sets of tools for over 40 bicycles.

406. During peace additional tools, as detailed in Table 5 of Appendix IV, may be obtained on loan from the R.A.O.C. when required for the use of armourers of cavalry regiments and infantry battalions at home.

When units are stationed at a distance from an ordnance depot, the tools may be held on permanent equipment ledger charge on the authority of the G.O.C. On change of station the tools will be returned to R.A.O.C. unless the G.O.C. approves of their being handed over to the relieving unit.

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2. Accoutrements.

407. The accoutrements of units detailed below will be repaired by the shoemaker of the unit, or such other person as may be directed by the C.O.

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For this service when performed by soldiers not in receipt of tradesmen's rates of pay, the undermentioned sums will be allowed annually for every 10 (or less) sets of accoutrements in use :—

	s.	d.
(a) Company of Infantry	0	7
Units of R.E. (equipped with web equipment)...	0	6
Units of R.C.S.	0	6
Company, Tank Battalion and Armoured Car unit	0	5
Company or Detachment of R.A.M.C.	0	5
Depot of R.A.M.C.	0	5
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(b) Battery of R.G.A., Local Batteries, R.A.,	s. d.
and Bermuda Militia Artillery... ..	
District Establishment, R.A.	0 10
Dismounted Depot Company, R.A.S.C. ...	
Company or Section of R.A.O.C.	

These allowances are intended to cover the repair of all the items included in the personal equipment of the soldier, whether buff, black, brown or web, or any combination of these.

In addition to the above, depot companies of R.G.A. will be allowed $\frac{1}{2}$ d. per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

For the units in possession of web equipment, pattern 1908, referred to at (a) above, tools will be allowed as detailed in Appendix X, Table 5, and waxed thread will be provided out of this allowance. For the units referred to at (b) both waxed thread and tools will be provided out of the allowance.

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408. The allowance for the repair of accoutrements will be claimed quarterly in arrear on 1st January, 1st April, 1st July, and 1st October, and will be calculated on the annual basis laid down in paragraph 407 and the number of days the unit was without the services of a shoemaker or saddler during the quarter, *e.g.*, the annual allowance for the number of sets on charge will be multiplied by a fraction, the numerator of which is that number of days and the denominator the number of days in the year. The claim will be supported by a certificate signed by the C.O. that, for the period for which allowance is claimed the unit was without the services of a shoemaker or saddler and that the man by whom the work was performed was not in receipt of tradesman's rates of pay.

The claim should be preferred on A.F. P 1900, suitably amended. It should state to which man's account the allowance should be paid, and will be charged in Form 3 of the battery or company pay and mess book.

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409. The articles allowed for the repair of accoutrements will be supplied by the R.A.O.C.

410. The repair of the metal work will be part of the ordinary duty of the armourer, or smith, where one is available.

411. The use of oxalic acid or other injurious materials for cleaning accoutrements is strictly forbidden. Such parts of black accoutrements as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used.

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412. When brown leather accoutrements require to be cleansed from dirt they should be washed in plain cold water and hung up until they are about half dry.

"Composition, preserving brown leather accoutrements" should then be applied to both sides of the leather, but preference should be given to the grain or smooth side. The articles should then be hung up until they are thoroughly dry, when a brush or cloth should be used for finishing and polishing.

In many cases it will be found that a thorough brushing will be sufficient to clean the leather before greasing—and only the dirtiest of the articles should be washed. An application of "Composition preserving brown leather accoutrements" once a month will, in ordinary circumstances, be found sufficient.

Packs and haversacks when in a dirty and greasy condition should be washed (scrubbed) with soap and warm water (*not hot water*) inside and outside. The articles should be well rinsed in warm water after washing. When the articles are only slightly dirty a good brushing will suffice.

Composition for the preservation of brown leather accoutrements may be drawn annually in the proportions detailed in Appendix X, Table 4.

413. (i.) Materials for the repair of bandolier and web equipment may be drawn in the proportions detailed in Appendix X, Tables 1 and 3.

(ii.) Water bottles requiring repair will, in the case of—

(a.) R.A. units	...	...	...	...	Be repaired by regimental artificers.
R.E. units	...	...	...	...	
R.C.S. units	...	...	...	...	Materials for repair will be supplied in the proportion laid down in Appendix X., Table 2.
Cavalry regiments	...	...	...	...	
Infantry battalions and depots	...	...	...	...	
Tank battalions	...	...	...	...	
Armoured Car companies	...	...	...	...	
R.A.S.C. companies	...	...	...	...	
R.A.O.C. companies or sections	...	...	...	...	Be sent to the nearest ordnance dépôt for repair.
(b.) All other units, Schools of Instruction, &c.					

(iii.) Materials for the repair of other accoutrements will be supplied in the proportions specified in the several sections of E.R., Part 2.

414. Materials required to replace others lost or damaged by neglect will be charged against the troops.

415. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the military tradesmen of units, free of charge. C.Os. will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

416. In cases where the indents for accoutrements to replace unserviceable articles are very large, and where C.Os. consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 415 may be demanded in a complete state.

3. Steel Helmets.

417. Tampering with steel helmets in any way is strictly forbidden, *e.g.*, boring of holes for the purposes of hanging them up,

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affixing badges, etc. The cost of repairing any damages so caused to steel helmets will be charged against the troops.

418. The following scale of paint and brushes is authorized for issue for the painting of steel helmets in use :—

Section No. 9—A.

Paint, prepared, for helmets (service colour)	lbs. *4 for every 100 helmets	} Annual supply.
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Section No. 11.

Brushes, paint, sash tool, No. 8 ...	1 for every 100 helmets	} Annual supply.
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4. Musical Instruments.

419. Instructions for the care and preservation of flutes and piccolos and for lapping drum heads are contained in Appendix XXIII.

5. Harness, Saddlery and Packsaddlery.

420. The authorized proportions of materials for repair of harness, saddlery and packsaddlery as detailed in Appendix XI, are based upon the average quantities required for the repair of articles which have been some years in use. With new harness and saddlery the same amount of materials will not be required, and in making indents C.Os. will demand only what is actually requisite.

421. Repairs to saddle blankets carried out by regimental saddlers should be done with grey worsted and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

The stitching in all cases should be so executed that the rent, or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching ; but when material is used, it should, as far as possible, match the blanket.

422. All cuttings from the undermentioned materials supplied for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned to store, as opportunity offers :—

Cuttings from	{	canvas.	|	Flaps, saddle.
		cloth.		Hair, old, horse.
		leather.		Junk, old.
		numnahs.		Seats, saddle.
		serge.		
		sheepskins.		

Metal-work,	{	copper rivets, saddles, universal.
		iron and steel (from saddles generally).

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* An additional 1 lb. of paint for every 100 helmets may be authorized for issue for the painting of the insides of helmets when necessary.

423. Detailed instructions for the care and preservation of harness, saddlery, and packsaddlery are contained in Appendix XIV.

6. Surveying, Drawing, and other delicate Instruments.

424. Surveying, mathematical, drawing, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass and are lacquered or otherwise protected; it is, therefore, only necessary to wipe them over carefully with a dry soft rag. No great amount of force should be used.

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SECTION XIX.—DUTIES OF ARMOURERS.

425. Armourers will perform the following duties:—

(a.) Execute all repairs required to the small arms (including lances, pistols, swords, and scabbards) and machine guns in possession of their respective units; and perform any other work, within their capabilities, required to the equipment of their units and repairs to helmets and chains. Execute repairs to bicycles as directed in paragraph 402.

(b.) Inspect—

Quarterly—All rifles, pistols, sword-bayonets and scabbards in use.

Monthly—All bicycles on charge.

In each case defects are to be made good (see paragraph 382 as regards small arms), and a brief report of the general result of the examination will be rendered to the C.O.

Brown, with the prescribed assistance, any bicycle components and the components of such small arms, including machine guns, as may require it. (As far as possible, the quarterly inspection to take place on Saturdays, or after 4 p.m. on other days, so that the training of the troops is not interrupted.) Apply mineral jelly and bees wax between fore ends and barrels periodically. Thoroughly strip yearly for examination and cleaning all bicycles, rifles, and pistols in use. Examine yearly all swords and lances. (The yearly strippings and examinations to take place during the winter season.) Examine and clean all small arms, machine guns and bicycles issued from store before they are placed in the hands of the troops, removing any excess of lubricant from the barrels and actions or mechanisms of the small arms and machine guns. Examine and clean all machine guns in accordance with "Instructions for care and preservation."

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(c.) Mark all Lewis machine guns, small arms and bicycles that may be supplied, also the drums, bugles, or trumpets. Perform all repairs to the iron and metal work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons, which is to be done every third year, or oftener if necessary. Keep in repair

the tools in the armourer's boxes, and within the limits prescribed in paragraph 270, manufacture, when necessary, tools not included in the set detailed in Appendix IV. Execute repairs required to Weedon Section articles held on inventory charge of the unit to which they are attached.

(d.) Within working hours, the services of armourers will, when the duties of their own units admit, be available for the performance of any of the above duties for other units or corps without extra remuneration; but the employment of an armourer with another corps is limited to the case of units without suitable military tradesmen—or to cases in which such tradesmen are attached, but additional assistance is required under exceptional circumstances.

(e.) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

426. Circuit armourers will examine, repair, and rebrown, as necessary, the small arms, machine guns and bicycles of all units not provided with armourers, including units of the Militia in the districts allotted to them. (See paragraph 383.)

427. Armourers will, in addition to the duties laid down in paragraphs 425 and 426, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform.

428. Armourers are not allowed to make any charge against soldiers for work performed on small arms.

429. It is the duty of an armourer not merely to carry out any particular repair to a small arm, machine gun or bicycle for which it may have been sent to him, but to ensure that the small arm, machine gun or bicycle is serviceable in every respect before it leaves his hands.

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APPENDIX I.

Referred to in paragraphs 14, 15, 92 and 131.

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS.

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1. The ledgers will (subject to paragraphs 96, 112 and 251) contain a record of all equipment received or issued. At home stations, and at stations abroad where there is a local auditor, the ledgers will be balanced and valuation made on 31st March in each year. The balances will be carried down and the ledgers will remain open and in use until called for by the Local Auditor for audit. When so called for, the receipt and issue columns will be totalled, new ledgers opened and the totals carried into the new ledgers. At stations abroad where there is no local auditor they will be balanced up to 31st March in each year, and will be forwarded with the vouchers in support, through the C.O.O., before 1st May to the War Office. The vouchers should be laid flat in the equipment ledger.

2. Copies will be kept of all equipment ledgers sent for examination. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies thereto will be retained by the accountant, who will correct his copy of the ledger accordingly.

3. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the War Office or local audit office.

4. When equipment is transferred from one accountant to another, stock will be taken by the board referred to in paragraph 14 of these regulations. Any stores found to be surplus will be brought on ledger charge by certificate receipt voucher, which will be signed by the officers who sign the certificate referred to in paragraph 6. Deficiencies will be struck off charge and dealt with as laid down in King's Regulations.

5. A balance will then be struck as directed in paragraph 15 of this appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible.

6. The following certificate will then be furnished, and will accompany the equipment ledger when rendered for audit :—

We certify, in accordance with paragraph 14 of the Equipment Regulations, Part I, that on the transfer of the equipment of the (a) _____ on the (b) _____ the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with

(a) Here insert the unit.

(b) Here insert the date.

those shown in the equipment ledger, except the items shown on the accompanying statement (c).

President _____

Members { _____

_____ *Officer giving over charge.*

_____ *Officer taking over charge.*

7. Os.C. detachments referred to in paragraph 103 of these Regulations will render equipment accounts in accordance with these regulations, so long as they remain independently detached.

8. When a detachment of infantry is attached to a battalion, the equipment will be transferred by voucher to the O.C. the battalion but will be accounted for by him in a separate ledger, A.B. 239.

Upon such a detachment returning to its own unit, or being transferred to another unit, the detachment ledger will be closed and rendered for audit, together with its vouchers, to the War Office, or local audit office.

9. Stores supplied in sets, or as complete articles, for which a single heading is provided in the printed equipment ledger, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled." A certificate will be given at the end of the ledger by the C.O. that the sets and tool chests are complete, and contain the articles that should be comprised in them, as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail of the set. Articles drawn from the R.A.O.C. to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Transactions in component parts of complete articles will be recorded in the ledgers in the same way (but see paragraph 96).

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted therein as soon as possible after they occur, and will be supported by vouchers.

11. Vouchers for stores issued are called issue vouchers and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger.

(c) This statement should include the articles in possession of warrant officers, N.C.Os. and men temporarily detached (see para. 119).

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only, in the column of the voucher headed "total number or quantity," the columns S. R. U. and D. being left for use of the R.A.O.C.

13. The ledger folios on which entries are made should invariably be recorded on the vouchers supporting the account in the column headed "ledger folio."

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

In the event of its being necessary to put up with the account blank vouchers to account for missing numbers, a brief explanation, signed by an officer, should be given on the blank vouchers. The addition of letters or sub-numbers to the numbers of vouchers is prohibited.

15. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger. The total issues are then brought over to the left hand side and written immediately under the total receipts, the quantities left becoming the ledger balance or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

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16. When the ledger has been balanced, the O.C. will certify that the stores shown as remaining on charge at the close of the account have been verified and found to agree in quantities and numbers with those actually in possession of the unit. When forwarding the ledgers for audit the C.O. will also certify that the account has been carefully checked by an officer appointed by him for that purpose, who will sign the ledger in evidence of such examination.

17. Officers will take care that the ledgers and vouchers are not ticked or altered with coloured pencil or coloured ink, that no correspondence is carried on upon them, and that no erasures are made. No entries in black lead pencil should be made, either in the ledgers or on the vouchers. Any necessary corrections will be made in black ink or indelible pencil and will be duly initialled, in the case of vouchers by the person who signs the vouchers, and in the case of ledgers by the responsible accounting officer, but the original entries should remain legible.

18. In order to assist C.Os. in accounting for equipment distributed to companies, squadrons, or detachments, A.F. B 292 for cavalry and A.F. B 293 for other arms will be rendered quarterly to the O.C., who will then compare the totals of the stores shown in these returns with the numbers or quantities shown in the equipment ledger.

19. The attention of equipment accountants is specially directed to the provisions in the Regulations in regard to the following :—

	Paragraph of Regulations.
Stores, &c., in excess of authorized proportions ...	5
Dispensing with stocktaking board ...	15
Indents and authority for issue ...	23
Issues to units on payment ...	33
Vouchering of stores returned to the R.A.O.C. ...	55, 56
Accounting for fired ammunition cases ...	75
Condemnation of stores ...	81, 100
Loss, injury, or destruction of stores or equipment ...	83, 98-100
Consumable articles and materials for repair ...	96, 369
Accounting for ammunition ...	97
Stores condemned locally ...	54, 101
Loss by desertion ...	107
Verification of list of official books, &c. ...	113-115
Stores for cleaning, preservation and repair of mobilization equipment ...	169
Officers' saddlery ...	222
Stores for instruction in field training ...	266

Active Service.

20. On receipt of orders to mobilize, the O.C. a unit of the Expeditionary Force will prepare to transfer the equipment account to the officer in charge of details left behind.

21. After the unit has been placed under orders for active service and before leaving its place of mobilization, the C.O. will write off charge in the ledger by certificate voucher the whole of the equipment taken by the unit.

22. The balance of the peace equipment, with the ledger, will be handed over to the officer in charge of details immediately prior to the unit leaving its place of mobilization for active service.

23. If after the ledger has been handed over, but prior to embarkation or taking the field, the C.O. issues stores or equipment to another unit or corps, he will notify the O.C. details, who will obtain a receipt from the receiving officer. The O.C. details will not enter the transaction in the ledger but will forward the receipt with the vouchers accompanying the account.

24. The O.C. details will arrange with the C.O.O. for the return of all surplus equipment in his charge to the R.A.O.C., and as soon as the men left behind have been transferred with their equipment, the ledger will be closed and rendered for audit.

25. If no officer of the unit is left with the details, the O.C. will apply to the G.O.C. to nominate an officer to carry out, in conjunction with the O.C. the unit, the above instructions.

26. Units of the Expeditionary Force formed on mobilization (except Hospital Ships) which do not exist in peace will not open equipment ledgers.

27. Regular and Militia units other than those allotted to the Expeditionary Force will not close their accounts on a general mobilization, unless ordered to do so by the War Office.

Reopening accounts on Demobilization.

28. At the earliest possible date after the termination of hostilities, or on the return of the unit to peace conditions, a regimental board of officers will be assembled. This board will take stock in detail of all equipment in possession of the unit, whether supplied from store, purchased, captured, or commandeered, and the stock then found by the board will form the opening balance of a new equipment account, which will be kept thenceforward by the unit as a peace account. The stock-taking board will furnish the C.O. with a certificate that the stock, as entered in the state of the new ledger, agrees with the quantities as found by them, and this certificate will be forwarded with the account when it is rendered for audit.

29. On the earliest convenient opportunity after the opening of the new accounts, the stocks and the accounts of units will be checked by specially appointed officials or members of the local audit staff as may be decided by the War Office.

APPENDIX II.

Referred to in paragraphs 37, 90, 136 and 138.

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR RETURNING FROM INDIA.

GENERAL INSTRUCTIONS.

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1. The equipment of troops proceeding to or from India is transferred on payment (except as provided in paragraph 20 of this Appendix) from the Imperial to the Indian Government, or *vice versa*, on the date the troops are transferred to or from Indian pay, *i.e.*, in the case of—

- | | | |
|---|---|---|
| (a) Ordinary
reliefs, | { | troops proceeding to India : from the date of
embarkation.
troops returning from India : from the date of
the arrival of the vessel in port. |
| (b) Indo-Colonial reliefs at Imperial expense on the day of
disembarking in, or embarking from, India. | | |

A special survey on the equipment of troops so proceeding will always be held for the purposes of ensuring that the equipment transferred from one Government to the other is correct and serviceable, and of affording a basis for the adjustment of its value between the War Office and the India Office. (*See also Clothing Regulations.*)

2. Such surveys will be held as follows :—

In the case of—

All units embarking <i>for</i> India.		Prior to embarkation.
" " " <i>from</i> India	{ for Home	} After disembarkation.
	" Egypt	
	" Mediterranean	} Prior to embarkation.
	" any other station	

3. The dates upon which these surveys will be carried out will be arranged by the I.M.E., appointed by the Secretary of State for India to represent the Indian Government, who will attend all such surveys held at home, in Egypt, and in the Mediterranean stations.

The General or other officer in charge of administration in the command in which the unit is stationed will be informed by the I.M.E. of the dates on which it is desirable for the survey to be held, which, in the case of a unit embarking for India, will usually be about one month prior to embarkation.

The Imperial Government will be represented :—

- (a) At home stations by the I.A.O.S.,
- (b) In Egypt and the Mediterranean stations by the senior administrative ordnance officer or a senior ordnance officer of the directing staff in the command concerned,

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who, with the representative of the Indian Government, will constitute the board of survey.

4. When the Secretary of State for India does not send a representative, i.e., at stations abroad other than those named in paragraph 3, the G.O.C. will in all cases convene a special board for the survey not less than one month before the day fixed for embarkation, constituted, when practicable, as follows :—

A field officer, not of the unit concerned	...	President.
A captain of the unit	...	} Members.
An ordnance officer	...	

5. At surveys held under paragraph 3, the I.M.E. will obtain from the C.I.S.A. the services of viewers of small arms and machine guns to assist the board. At surveys held under paragraph 4, expert assistance will be furnished to the board by the R.A.O.C.

Reliefs proceeding to India from Home and Stations Abroad.

6. Full information regarding the equipment to be taken to India will be furnished to the O.C. the unit by the I.M.E. On receipt of this information the O.C. the unit will at once take steps to indent for such stores as are required to complete to Indian scale. They should as far as possible be drawn and taken on charge prior to the assembly of the board of survey.

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7. The following preparations for the survey will be made by the O.C. the unit :—

- (a) The equipment ledger will be temporarily balanced to the date of the survey, and produced before the board.
- (b) Lists of all articles of equipment in possession of the unit will be prepared, for the information of the board, on the forms provided, and as directed in the instructions on those forms, which will be issued in good time to the O.C. the unit concerned by the I.M.E.

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8. The survey will be taken by squadrons, batteries, or companies or by sections of equipment such as machine gun, signalling or telephone equipments, if held separately from company or squadron charge or possession. Greatcoats and any other articles of public clothing will be inspected at the same time.

9. The small arms, accoutrements and public clothing of warrant officers, N.C.Os., drummers, bandsmen and pioneers, will be included in the returns of the companies or squadrons to which they are attached, but the quartermaster's stores, military tradesmen's tools, materials for repair, and any other miscellaneous articles of Government property, will be inspected separately.

Any repair material, consumable stores, &c., not on equipment ledger charge, remaining unexpended will be taken in diminution of approved Indian scale, the balance, if any, being returned to the R.A.O.C.

10. Any articles on charge in the equipment ledger which are not produced to the board will be charged against the unit and paid for before embarkation.

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11. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey and will forward the same, through the general or other officer in charge of administration, to the War Office.

12. Articles still required to complete the small arms and equipment of the unit to Indian establishment, as communicated to the unit in paragraph 6, as well as those required to replace others condemned or found deficient by the board, will be issued by the R.A.O.C. before embarkation of the unit.

Indents for stores to replace condemnations or deficiencies brought to notice at the survey will, unless already due on previous indents, be made out on the usual forms, signed by the O.C. and countersigned by the surveying officers or President of the board.

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C.Os. will also submit to the C.O.O. of the area lists of stores due on indents dated prior to the survey which are required to complete Indian scales. On receipt of such lists, C.O.Os. of areas will notify C.O.Os. of depots from which the stores are due in order that the following paragraph may be complied with.

Immediately after the unit has embarked the C.O.O. concerned will forward to the War Office copies of the issue vouchers for stores that have been supplied to the unit subsequent to the holding of the board, together with a statement of the stores which were

due but not issued prior to its embarkation. The C.O.O. will also send a copy of this statement to the I.M.E., India Office, who will inform the War Office whether such outstanding stores should be cancelled or despatched to the unit in India.

13. All articles of equipment in excess of Indian scales will, as far as practicable, be disposed of under orders of the G.O.C. before the assembly of the board. All excess articles not so disposed of before the assembly of the board, and those condemned by the board as unfit to be taken to India, will be returned to store before the unit embarks for India, the usual vouchers being passed. Any such articles taken by the unit to India will have to be paid for by the unit, or returned to England at the expense of the unit.

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Reliefs proceeding from India to Home Stations and Stations Abroad.

14. In the case of units proceeding from India, a similar special survey will be held by a board constituted as directed in paragraph 3 as soon as possible after disembarkation, the date of which will be arranged for by the I.M.E., as in the case of units proceeding to India, referred to in paragraph 3. When the unit is proceeding to a station abroad other than to Egypt and the Mediterranean, the survey is held prior to embarkation.

15. In the case of inspections held after disembarkation, the C.O. will produce to the board the Indian equipment ledger showing the final balances at the date of embarkation. The necessary forms for the survey will be supplied by the I.M.E., and should be prepared in accordance with the instructions thereon. When the boards of survey are held in India prior to embarkation, the procedure laid down in paragraph 19 will be followed.

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16. The procedure as laid down in paragraph 11 will be followed, except that the report and detailed forms will be forwarded to the India Office, instead of to the War Office. A statement of the articles passed by the board as fit to be taken over by the Imperial Government, and which will form a charge in the Imperial equipment ledger, will be furnished to the O.C. the unit by the I.M.E. as a voucher to be rendered with the ledger. No obsolete articles, or articles of Indian pattern, will be passed for transfer by the board.

17. The necessary vouchers for disposal of any articles not taken over by the Imperial Government will be furnished to the O.C. the unit by the I.M.E., but no steps will be taken to dispose of any articles not taken over by the Imperial Government until instructions on the subject have been received from him. On no account should such articles be returned to, or accepted by, the R.A.O.C. for disposal, unless specific instructions to that effect are received by the O.C. the unit and the C.O.O. from the I.M.E. Any claim against the unit for the value of any articles found deficient will be prepared by the India Office.

18. Any articles required to complete the equipment of the unit to the Imperial scale will be demanded on the usual forms as soon as possible after the arrival of the unit at the station on the British establishment to which it is directed to proceed. All such equipment must, until after the survey, be kept quite distinct from that brought from India by the unit. It will not be produced for survey with the Indian equipment.

Should the survey be unduly delayed from any cause, an immediate report of the circumstances will be made by the General or other officer in charge of administration to the War Office.

19. When units are inspected before leaving India, only the stores passed by the board as fit to be taken over by the Imperial Government will be taken by the unit on leaving India, and the statement of them drawn up by the board will form the first charge in the Imperial equipment ledger. In the case of units inspected after disembarkation, the procedure laid down in paragraphs 15 to 18 will be followed.

Drafts proceeding to, or returning from, India.

20. The small-arms and equipment of drafts will be dealt with as detailed below. Care must be taken in all cases to ensure the replacement of unserviceable articles prior to embarkation. Ordinary receipt and issue vouchers will be prepared and forwarded, immediately after embarkation, to the unit or units in India to which the men have been posted.

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WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN.

(i) Under ordinary circumstances will proceed to or return from India unarmed, but will take the following articles of equipment :—

(a) If equipped with web equipment, pattern 1908 :—

Haversacks (with brace with buckle).

Water bottles (with carrier and brace with buckle).

Mess tins (with cover).

(b) In all other cases :—

Haversacks (with brace without buckle where necessary).

Water bottles (with carrier and shoulder strap).

Mess tins (with cover or strap).

(c) Sam Browne accoutrements by warrant officers where authorized under E.R., Part 2.

(ii) When special instructions are issued by the War Office, or the Government of India, warrant officers, N.C.Os. and men will proceed to or return from India with such small arms and equipment as may be directed.

(iii) MS. returns for small-arms and equipment referred to in (ii) will be rendered to the War Office, showing numbers and condition of each article, and giving a reference to the special instructions issued.

Forms

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APPENDIX III.

Referred to in paragraphs 129, 130 and 132.

IMPERIAL TRANSPORTS AND FREIGHT SHIPS CARRYING TROOPS.

STORES TO BE PLACED ON BOARD BY THE R.A.O.C.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, see Admiralty Transport Regulations, a copy of which is placed on board.

TABLE 1.

Description.	Proportion.
<i>Weedon Section A.</i>	
Rifles, short, M.L.E.	} 10 per cent. of unarmed strength on board (except invalids and time-expired men).
Sword-bayonets	
Scabbards, sword-bayonet	
Bottles, oil	
Pull-throughs, 303-inch arms	
<i>Section No. 1A.</i>	
Belts, waist	}
Frogs, sword-bayonet	
Pouches, ammunition	
<i>Section No. 1B.</i>	
Bugles	} 2 for each ship.
Strings, bugle and trumpet	
<i>Section No. 9A.</i>	
Oil, lubricating, G.S.	2 pints a month during period of voyage.
<i>Section No. 12.</i>	
Clippers, hair	3 for each ship.
Disinfectors, spray, Mark II	1 for each ship.
Handcuffs, common pairs	1 per cent. of strength on board.
Scissors, hair cutting pairs	3 for each ship.
<i>Section No. 13C.</i>	
Flannelette	25 yards a month during period of voyage.
Stretchers, ambulance	1 for each ship.

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TABLE 1—*continued.* Stores to be placed on board Imperial Transports.

Description.	Proportion.		
<i>Section No. 27A.</i>			
Cartridges, small arm, ball, 303-inch (a)	60 for each rifle for unarmed troops. 200 for each rifle for armed troops.		
<i>Not in Vocabulary.</i>			
Formaldehyde, Winchester quart bottles (b)	2 for each ship.		
Machines, copying, C.B.D. ...	1 for each ship, wholly engaged in carrying troops.		

	For use of troops.	Additional for hospital use.	Remarks.
RECREATIVE ARTICLES.			
<i>Section No. 13D.</i>			
Dumb-bells, short, 4 lb. pairs	12	—	} To be purchased locally, as required, by the C.O.O. Hilsea.
Gloves, boxing „	20 (c)	—	
<i>Not in Vocabulary.</i>			
Backgammon board and men sets	3	2	
Chessboard and men „	3	1	
Clubs pairs	12	—	
Dice (Cups 2, Cubes 4)	3	2	
Dominoes sets	6	1	
Draughtboard and men „	3	2	
Punch balls	4	—	
Solitaire board and balls sets	3	1	

(a) Complete boxes only to be shipped. When troops are proceeding on active service a supply of 303-inch ball ammunition may, if specially ordered from War Office at the time, be placed on board for musketry practice during the voyage.

(b) Royal Army Service Corps supply.

(c) 10 pairs only for freight ships.

TABLE 1—*continued.* Stores to be placed on board Imperial Transports.

Description.	Proportion.	A.O. 381 1921
CLOTHING, HOSPITAL NECESSARIES, AND EQUIPMENT.		
Section No. 11.		
Inhalers	6 for each transport.	
Not in Vocabulary.		
Chairs, deck	6 for each transport, for the use of invalids. (Not for freight ships.)	57 Gen. No. 1704
Tab's (a)	20 for each transport.	
Section No. 13c.		
Towels { hand, hospital { round	300 } 150 } for each transport.	
Pimlico Section No. 7.		
Helmets, Universal, khaki (complete)	{ 100 For issue on payment to troops requiring replacements owing to loss or deficiency, (See A.C.I. 356 of 1923.)	
Helmets, Universal, khaki (complete)		
Covers, cap, white	10 { for use of personnel posted for 20 { duty on the transport.	
Pimlico Section No. 17.		
Crossbelts, sentries	{ 2 per cent. of troops on board, with a minimum of 10.	120 Gen. No. 9212
Frocks, khaki drill		
Trousers, ,, ,, ... pairs	{ 20 for use of personnel posted for duty on the transport.	
Frocks, khaki drill	100 { for issue on payment to troops requiring replacements owing to loss or deficiency. (See A.C.I. 356 of 1923.)	
Trousers, ,, ,, ... pairs		
Pimlico Section No. 19.		
Gowns, serge, lined	10 {	
Jackets { serge, unlined { sleeping	40 } 75 }	
	100 { for each transport.	
Ties, red	75 }	
Trousers { pyjama, sleeping prs. { serge, unlined ,,	40 } 40 }	
Waistcoats { serge, unlined { strait	40 } 1 for each vessel.	
	Pimlico Section No. 22.	
Shirts, cotton, made	150 {	
Socks, worsted pairs	150 }	
Vests, flannel, ordinary	150 }	A.C.D. 45424
Pimlico Section No. 23.		
Armlets, worsted, M.P.... ..	1 per cent. of troops on board with a minimum of 4.	
Pimlico Section No. 24.		
Slippers, leather pairs	25 for each transport.	

(a) For marking blankets used in infectious cases.

TABLE 1—continued. Stores to be placed on board Imperial Transports.

Description.	For each vessel.	Remarks.
BOOKS AND PERIODICALS (c).		
Books, library	300 vols. (a)	(a) Imperial Transports only.
{ Cassell's	1	For Troop Freight ships the proportion will be:—
{ Chambers's Journal	1	When the No. of troops embarked does not exceed 500
{ English Illustrated	1	When the No. of troops embarked exceeds 500
Magazines, monthly (b) { London	1	} Vols. 100
{ Pearson's	1	
{ Royal	1	} 200
{ Strand	1	
{ Windsor	1	
Bibles	50	
Prayer Books:—		
Church of England	50	
Roman Catholic	20	
Presbyterian	20	
Wesleyan	20	
Simple form of prayer	500	
Hymn books, Roman Catholic	250	
ARMY REGULATIONS (c).		
Allowance Regulations	1	
Equipment Regulations		
(Part I)	1	
King's Regulations	1	
Manual of Military Law	1	
Priced Vocabulary of Clothing and necessaries	1	
Priced Vocabulary of Stores		
(Part I)	1	
Ditto (Part II)	1	
Royal Warrant for Pay	1	
Admiralty Transport Regulations	1	
Army List, monthly	1	
Army Orders, monthly { Complete for filing (with all publications issued with Army Orders)	1	
{ Unbacked copies for cutting up	2	

(c) If the initial port of departure of a vessel is elsewhere than Southampton the O.O. concerned will indent upon the Storeholder, R.A.O.C., Southampton, for the books, periodicals, and regulations required.

TRANSPORT AND FREIGHT SHIPS CONVEYING HORSES.

STORES TO BE PLACED ON BOARD BY THE R.A.O.C.

All horse gear and horse fittings not included in the following list will be supplied under arrangements to be made by the Director of Transports, Admiralty. For detail, *see* the Admiralty Transport Regulations, a copy of which is placed on board under Table 1.

For 10 horses and under the Admiralty will arrange for the supply of all fittings and stores.

TABLE 2.

Description.	In "Cavalry Transports" and "Freight ships conveying horses accompanying units."	In "Remount Freight ships."
<i>Section No. 2A.</i>		
Rugs, horse	Horse blankets supplied by Admiralty	1 for each horse.
<i>Section No. 5A.</i>		
Clippers, horse	4 for every 100 horses ...	Supplied by ship-owners.
Machines, horse-clipping	1 for each vessel when the number of animals shipped does not exceed 200 2 for each vessel when the number of animals exceeds 200	Clippers, horse, supplied by ship-owners.
<i>Section No. 7.</i>		
Farriers tools sets	3 for each ship	3 for each ship.
<i>Section No. 10A.</i>		
Nails, horse shoe sets	40 for every 100 horses ...	40 for every 100 horses.
Shoes, horse	5 for every 100 horses (sizes as required)	5 for every 100 horses (sizes as required).
<i>Section No. 12.</i>		
Cattle killers	1 for each ship	1 for each ship.
Machines, chaff cutting	1 for every 200 animals or less	Supplied by ship-owners. A.O. 154 1918
<i>Section No. 27A.</i>		
Cartridges, Greener's cattle killing	50 for each ship	50 for each ship.
NOT IN VOCABULARY.		
Corn crushers	1 for each ship	Supplied by ship-owners. A.O. 154 1918

INDIAN TRANSPORTS AND FREIGHT SHIPS CARRYING TROOPS TO AND FROM INDIA.

STORES TO BE PLACED ON BOARD BY THE R.A.O.C.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, *see* Admiralty Transport Regulations, a copy of which is placed on board.

TABLE 3.

Description.	Proportion.
<i>Weedon Section A.</i>	
Rifles, short, M.L.E. ...	} 10 per cent. of unarmed strength on board (except invalids and time-expired men).
Sword-bayonets ...	
Scabbards, sword-bayonet ...	
Bottles, oil ...	
Pull-throughs, 303-inch arms	
<i>Section No. 1A.</i>	
Belts, waist ...	} 2 for each ship.
Frogs, sword-bayonet ...	
Pouches, ammunition ...	
<i>Section No. 1B.</i>	
Bugles ...	} 2 for each ship.
Strings, bugle and trumpet ...	
<i>Section No. 9A.</i>	
Oil, lubricating, G.S. ...	2 pints a month during period of voyage.
<i>Section No. 12.</i>	
Clippers, hair ...	3 for each ship.
Handcuffs, common ... pairs	1 per cent. of strength on board.
Scissors, hair cutting... pairs	3 for each ship.
<i>Section No. 13C.</i>	
Flannelette ...	25 yds. a month during period of voyage.
<i>Section No. 27A.</i>	
Cartridges, small arm, ball, 303-inch (a) ...	60 for each rifle for unarmed troops. 200 for each rifle for armed troops.
<i>Not in Vocabulary.</i>	
Machines, copying, C.B.D. ...	1 for each ship.

(a) Complete boxes only to be shipped.

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TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	For use of troops.	Additional for hospital use.		Remarks.
		Ordinary Indian Transport.	Transport fitted with extra hospital cot accommodation.	
FOR DIVINE SERVICE.				
<i>Section No. 13C.</i>				
Communion Service, complete	1	—	—	
RECREATIVE ARTICLES.				
<i>Section No. 13D.</i>				
Dumb-bells, short, 4lb.				

TABLE 3—*continued.* Stores to be placed on board Indian Transports.

		Scale for		Remarks.
Description.		Ordinary Indian Transport.	Transport fitted with extra hospital cot accommodation.	
CLOTHING AND HOSPITAL NECESSARIES.				
Pimlico Section No. 7.				
120 Gen. No. 9212	Helmets, Universal, khaki (complete)	100(a)	—	(a) For issue on payment to troops requiring replacements owing to loss or deficiency. (See A.C.I. 356 of 1923.)
	Helmets, Universal, khaki (complete)	11(b)	11(b)	
	Covers cap, white	22(b)	22(b)	
Pimlico Section No. 17.				
	Crossbelts, sentries	—	—	{ 2 per cent. of troops on board with a minimum of 10. For use of bakers and cooks.
	Frocks, dowlas	12	—	
	Trousers, „ ... pairs	12	—	
120 Gen. No. 9212	Frocks, khaki drill	22(b)	22(b)	
	Trousers, „ „ ... pairs	22(b)	22(b)	
	Frocks, khaki drill	100(a)	—	
	Trousers, „ „ ... pairs	100(a)	—	
Pimlico Section No. 23.				
	Armlets, worsted, M.P. ...	—	—	1 per cent. of troops on board with a minimum of 4.
ISSUED TO, AND SEPARATELY ACCOUNTED FOR UNDER THE INSTRUCTIONS OF O.C. TROOPS ON BOARD, BY THE HOSPITAL COMPOUNDERS.				
Section No. 2A.				
	Chairs, camp	—	25	
	Sheets, ground	2	2	
Section No. 9A.				
	Soap, yellow bars	—	106	

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.	
	Ordinary Indian Transport.	Transport fitted with extra hospital accommodation.		
Section No. 11.				
Boards, bedhead	—	100	Transports only. For the use of invalids. To be purchased locally. (Not issuable to Freight ships.)	
Brushes { bed pan	—	3		
{ feeders	—	6		
Chairs, night, frames	2	4		
Inhalers	6	12		
Measures, glass, 4 oz.	6	16		
Mugs, drinking	—	27		
Pans { bed, earthen	—	12		
{ night	2	4		
Rests, bed	—	3		
Screens, bedside	—	3		
Sponges, bath	2	18		
Tumblers, $\frac{1}{2}$ pint	—	24		
Warmers { foot... ..	4	10		
{ stomach	4	4		
Not in Vocabulary.				
Chairs, deck	6	6		
Section No. 12.				
Basins { enamelled, 14 in.	—	14		
{ „ 7 $\frac{1}{2}$ in. $\times$ 5 $\frac{1}{2}$ in.	15	15		
{ washing, zinc, 14 in.	6	16		
Baths, foot	3	6		
Corkscrews	—	4		
Disinfectors, spray, Mark II	1	1		
Jugs, enamelled, iron	—	12		
Knives, opening tin	—	2		
Ladies, cooks, Field Ambulance	2	2		
Measures, wine and spirit { 1 gill	1	1		
{ $\frac{1}{2}$ „	1	1		
Pails, night	2	4		
Pannikins, pint, enamelled	—	123		
Pans, frying, 13 $\frac{1}{2}$ in. $\times$ 11 $\frac{1}{2}$ in.	2	2		
Picks, ice	—	2		

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra hospital cot accommodation.	
Section No. 12—contd.			
Porringers, blood	4	4	
Scissors, hair cutting ... pairs	—	3	
Shapes, pudding, 1 pint... ..	12	12	
Spoons, electro-plated, tea	—	12	
Trays, diet, 20-diet	—	6	
Section No. 13A.			
Blankets, white	—	20	
Pillows, hospital, feather	—	12	
Section No. 13C.			
Cloths {	bed pan, covering	—	25
	distinctive	—	25
	medicine	—	25
Stretchers, ambulance	1	6	
Towels {	hand, hospital	300	800
	round	150	400
Not in Vocabulary.			
Bottles, hot water, indiarubber	—	6	
Formaldehyde, Winchester	—	—	
57 Gen. No. 1704 quart bottles (a)	2	2	
Tabs (b)	20	50	
Taps, champagne... ..	—	2	
Trays, dressing	2	10	
Pimlico Section No. 17.			
A.O. 381 1921 Aprons, operating	—	3	
Pimlico Section No. 19.			
Gowns {	flannel	—	24
	serge, lined	10	40
Handkerchiefs	—	650	
57 Gen. No. 1704	(a) R.A.S.C. supply. (b) For marking blankets used in infectious cases.		

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.	
	Ordinary Indian Transport.	Transport fitted with extra hospital accommodation.		
<i>Pimlico Section No. 19—contd.</i>				
Jackets { serge, unlined ...	40	500	A.O. 381 1921	
{ sleeping ...	75	180		
Ties, red ...	100	350		
Trousers { serge, unlined pairs	40	500		
{ pyjama, sleeping pairs	75	100	A.C.D. 45124	
Waistcoats { serge, unlined ...	40	500		
{ strait ...	1	6		
<i>Pimlico Section No. 22.</i>				
Drawers, flannel ... pairs	—	175	A.C.D. 45124	
Shirts { cotton, made ...	150	900		
{ flannel, white, made (tropical) ...	—	50		
Socks, worsted ... pairs	150	500		
Vests, flannel, ordinary ...	150	900	A.C.D. 45124	
<i>Pimlico Section No. 24.</i>				
Slippers { bedroom ... pairs	—	50		
{ leather ...	25	50		
		For each vessel.		
BOOKS AND PERIODICALS (a).			(a) See footnote, page 128.	
Books, library ...		300 vols. (b)	(b) Indian Transports only.	
{ Cassell's ...	1		For Troop Freight ships the proportion will be :—	
{ Chambers's Journal	1		When the No. of troops embarked does not exceed 500	
{ English Illustrated	1		When the No. of troops embarked exceeds 500	
Magazines, Monthly (c)				
{ Pearson's ...	1		When the No. of troops embarked exceeds 500	
{ Royal ...	1			
{ Strand ...	1			
{ Windsor ...	1			
Bibles ...	50		(c) Complete series will be issued as published.	

TABLE 3—*continued.* Stores to be placed on board Indian Transports.

Description.	For each vessel.	Remarks.
Prayer Books—		
Church of England	50	
Roman Catholic	20	
Presbyterian	20	
Wesleyan	20	
Simple form of Prayer	500	
Hymn Books, R.C.	250	
"Our Indian Empire"	100	
 ARMY REGULATIONS (a).		
Allowance Regulations	1	
Equipment Regulations		
(Part I)	1	
King's Regulations	1	
Manual of Military Law	1	
Priced Vocabulary of Clothing and necessaries	1	
Priced Vocabulary of Stores		
(Part I)	1	
Ditto (Part II)	1	
Royal Warrant for Pay	1	
Admiralty Transport Regns.	1	
Army List, monthly	1	
Army Orders, monthly {		
Complete for filing (with all publications issued with Army Orders)	1	
Unbacked copies for cutting up	2	
 TOOLS.		
 <i>Section No. 2B.</i>		
Axes, pick, complete	155	
Shovels, G.S.	236	

(a) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, R.A.O.C., Southampton, for the books, periodicals, and regulations required.

CANVAS DECK SHOES.

Referred to in paragraph 132.

REPORT OF ISSUE made by the R.A.O.C. to the Master of the

(a) Imperial
(a) Indian

((a) Strike out whichever is inapplicable.))

Station _____ Date _____ 19 : ____

[illegible]

**The Director of Transports,
Admiralty,
Whitehall,
London, S.W.**

Chief Ordnance Officer.

APPENDIX IV.

Referred to in paragraph 269.

TOOLS FOR ARMOURERS.

TABLE 1.—Tools for the Repair of Rifles, etc.

Description.	Quantity allowed.	Remarks.
<i>Weedon Section.—C.</i>		
Boxes, tool, empty, regimental armourers, Mark II ...	1	
Anvils, stock, butt, R.S., M.L.E. ...	1	
Awls, blades, armourers ...	2	
Braces, armourers ...	1	
Braces, armourers, bits { countersink, rose ...	1	
rimer { $\frac{1}{2}$ -round ...	1	
{ 4-square ...	1	
{ 5 " ...	1	
screw-driver { butt plate screw ...	1	
{ stick, cleaning ...	1	
{ chamber ...	1	
{ stock-bolt, M.L.M. ...	1	
spoon ...	1	
Bushes, stop, rod, cleaning, '303-in., No. 2(a) ...	1	{ To be placed on rod No. 2 to make it suitable for Rifles, short, M.L.E.
Cans, oil, lubricating, armourers ...	1	
Chisels, hand, cold { $\frac{1}{2}$ in. $\times$ 7 in. ...	1	
{ $\frac{1}{2}$ " $\times$ 7 " ...	1	
Clams, vice—		
Parallel, { cork-lined ...	1	{ For Mark II box.
regimental armourers, pairs { leather-lined ...	1	
Standing, armourers... ...	1	Not in Mark II box.
Corks, clam ...	4	
Drifts, fore-end, { Mark I* ...	1	For rifles, short, '22-inch, R.F., Mark I and I*.
M.L.M. rifle { " II ...	1	For service short rifles and rifles, short, '22 inch, Mark III.

(a) Not required if rod, cleaning, '303-inch, No. 4, is in possession.

TABLE 1—continued. Tools for the Repair of Rifles, etc.

Description.		Quantity allowed.	Remarks.			
Weedon Section.—C—continued.						
Drifts	{ magazine catch-pin, M.L.M.	1				
	{ pin, fixing, washer, pin, axis,					
	{ sight, back, R.S., M.L.E. ...	1				
	{ sight axis pin, M.L.M. ...	1				
	{ wire, small ...	1				
Floats, fore-end,	{ No. 1 ...	1				
	{ No. 2 ...	1				
Gauges, armourers	{ distance of bolt from	{ .064 in. ...	1			
	{ end of chamber,	{ .074 in. ...	1			
	{ M.L.M.					
	{ projection of stock-bolt through					
	{ body, R.S., M.L.E. ...		1			
	{ pistol,	{ hammer projection and				
	{ Webley	{ radius of point ...	1			
		{ distance of cylinder				
		{ from face of body,				
		{ .052-in., rejecting ...	1			
Guides, muzzle, No. 2...	{ striker point, pattern "C" ...	1				
	{ ...	1	Remove the nose cap before attaching the muzzle guide.			
Implements, action, M.L.E. rifle, short		1				
Keys, adjusting, sights telescopic,	{ model 1918 ...	1	{ For units armed with tele-			
	{ ...	1	{ scopic sighted rifles. <table><tr><td>57</td></tr><tr><td>G.N.</td></tr><tr><td>9790</td></tr></table>	57	G.N.	9790
57						
G.N.						
9790						
Mallets	{ raw hide ...	1				
	{ scabbard, sword, cavalry (a)	1				
Mandrels	{ scabbard, sword, cavalry (a) ...	1				
	{ scabbard, sword-bayonet, pattern					
	{ 1888, locket ...	1	Pattern 1907, Marks I and II.			
	{ scabbard,	{ blocking leather ...	1	Pattern 1907, Marks I and II.		
	{ sword-					
	{ bayonet,					
	{ pattern					
	{ 1907	{ chape, Mark II ...	1	Also for fitting Mark II chape to Mark I scabbard.		
	Pincers, armourers ...	pairs	1			
	Planes, smoothing, armourers		1			
Plates, screw, 20 taps, 20 holes		—	Plate only to be issued in lieu of plates A to E of next item until stock is used up. <table><tr><td>8</td></tr><tr><td>Equip. Regs</td></tr><tr><td>520</td></tr></table>	8	Equip. Regs	520
8						
Equip. Regs						
520						

(a) Armourers of mounted corps only. Pattern of mandril to follow pattern of scabbard in possession.

TABLE 1—continued. Tools for the Repair of Rifles, etc.

Description.		Quantity allowed.	Remarks.
<i>Weedon Section. — C—continued.</i>			
Tools	clearing, .303-in. arms	bits { screw 6	Will cease to be issued when stock is used up. A.O. 303 1915
		spoon 1	
		bushes, bit, screw ... 2	When stock of "Pressers, extractor, spring" is used up.
		rods, No. 2 1	
		extractor, spring 1	
	removing	handguard, No. 1 ... 1	For No. 2 striker. " " " "
		striker { pattern "B" ... 1	
		R.S., M.L.E. 1	
		wad, stock bolt ... 1	
	sight line, R.S., M.L.E., No. 2 ... 1		
Vice, parallel, regimental armourers ...		1	For Mark II box only.
<i>Section No. 7.</i>			
Awls, handles, brad, small		2	
Files	Chisels, firmer	$\frac{3}{4}$ -inch 1	When stock of bastard files is used up.
		$\frac{1}{2}$ " 1	
		$\frac{1}{4}$ " 1	
		" 1	
	bastard	flat, 6-inch 2	
		half-round, 6-inch ... 2	
		round, 8-inch 1	
		square, 8 " 1	
	fine-cut, hand, safe edge,	10-inch 2	
		tanged 2	
		regular cut, half- ... 2	
		round 1	
	saw, taper, second cut,	8-inch 2	
		single 2	
	second cut	half-round, 4-inch ... 2	
		round, 4-inch 2	

TABLE 1—*continued.* Tools for the Repair of Rifles, etc.

Description.	Quantity allowed.	Remarks.
Section No. 7—continued.		
Files, dead smooth, half round, 6-inch	1	
{ flat, 6-inch ...	1	
half-round { 8-inch	1	
{ 6 "	2	
{ 4 "	1	
Files, smooth { hand, safe-	2	
edge { 8 "	2	
{ 4 "	1	
pillar { 6-inch	2	
{ 3 "	1	
round, 4-inch ...	2	
three-square, 4-inch	1	
Gimlets, twist, Nos. 2, 3 and 5	3	1 of each.
Gauges, handled, { $\frac{3}{4}$ -inch	1	
firmer { $\frac{1}{2}$ "	1	
{ $\frac{1}{4}$ "	1	
Hammers, riveting { 24-oz.	1	
{ 4 "	1	
Handles, file { large	6	
{ small	6	
Holders, file, with handle, { 10-inch	1	} When regular cut files are in possession.
half-round { 8 "	1	
Irons, soldering, tinmans, small	1	
Pliers, flat nose	1	
Rasps, second cut, half-round, 9-inch	1	
Saws, hand, 23 $\frac{1}{2}$ -inch	1	
Stocks, drill, hand, Mark II	1	When stock of tools, bow, drilling, is exhausted.
Tools, watchmakers:—		
Screwdrivers ... sets	1	For units armed with telescopic-sighted rifles.
Vices, hand, 16-oz.	1	
Section No. 16B.		
Guns, machine, Hotchkiss, .303-inch:—		{ For units equipped with Hotchkiss machine guns.
Gauges, protrusion of firing pin	1	
Guns, machine, Lewis, .303-inch:—		{ For units equipped with Lewis machine guns.
Gauges, height of striker point	1	
Section No. 27A.		
Cartridges, small-arm, dummy, .303-inch, inspectors, Mark V.	20	

57

Gen. No.
9790

8

Equip. Regs.
520

TABLE 2.—Detail of Contents of Bags, Armourers, S.A.

NOTE.—On mobilization the tools detailed below are to be taken from those held on charge during peace.

Description.	No.	
<i>Weedon Section.—A.</i>		
Implements , action, M.L.E., rifle, short	1	
Pull-throughs , double, '303-inch arms	(a)	
Cords (spare)	(a)	
Pull-throughs , '303-inch arms—		
Gauze, wire (spare) pieces	(b)	
<i>Components.</i>		
Cocking pieces ...	5	
Heads , breech bolt ...	(d)	
Screws , swivel ...	10	
Scars ...	5	
<i>Weedon Section.—C.</i>		
Braces , armourers	1	
Bits, screwdriver, stock-bolt, M.L.M.	1	
Keys , adjusting, sights telescopic, model 1918	1 (f)	57 Gen. No. 9790
Pincers , armourers pairs	1	
Screwdrivers { armourers {	large ...	1
	small ...	1
	extractor axis, M.L.M. ...	1
Sticks , carborundum, triangular, $\frac{3}{8}$ -inch, fine... ..	1	
Tools , clearing, '303-inch arms—		
Bits { screw	6	
Bits { spoon	1 (e)	A.O. 393 1915
Bushes, bit, screw	2 (e)	
Rods, No. 2	1 (c)	
Tools , removing {	striker { pattern "B"	1
	rifle, short, M.L.E.	1
	wad, stock-bolt	1
<i>Section No. 7.</i>		
Files , smooth, flat, 6-inch	1	
Hammers , riveting, 4-oz.	1	
Handles , file, small	1	
Tools , watchmakers:—		
Screwdrivers sets	1 (f)	57 Gen. No. 9790
<i>Section No. 9A.</i>		
Cloth , emery, No. F sheets	2	

(a) 2 for each regiment of cavalry; 3 for each battalion of infantry.

(b) 20 for each regiment of cavalry; 30 for each battalion of infantry.

(c) Carried in box, rod, tool, clearing.

(d) 15 for each regiment of cavalry; 30 for each battalion of infantry.

(e) Only when available in the armourer's box.

(f) For units armed with telescopic-sighted rifles.

TABLE 2—continued. Detail of Contents of Bags, Armourers, S.A.

		Description.	No.
		<i>Section No. 16B.</i>	
8 E.R. 520		Guns , machine, Hotchkiss, '303-inch—	
		Gauges, protrusion of firing pin	1 (g)
		Guns , machine, Lewis, '303-inch—	
		Gauges, height of striker point	1 (h)
		<i>Section No. 27A.</i>	
		Cartridges , small arm, dummy, '303-inch, inspectors, Mark V	20
8 Equip. Regs. 520		(g) For units equipped with Hotchkiss machine guns. (h) For units equipped with Lewis machine guns.	

TABLE 3.—Tools for Circuit Armourers.

The following additional tools will be supplied to armourers when they become circuit armourers:—

Description.	Quantity allowed.	Remarks.
<i>Weedon Section.—C.</i>		
Boxes , components, empty, circuit armourers	1	
Gauges , armourers—		
Plugs { '303-inch	1 (a)	
'307 "	1 (a)	
'308 " Mark II	1 (a)	
'310 "	1 (a)	
lead, No. 2	1 (a)	
Rods, plug	1 (a)	
Mallets , scabbard, sword, cavalry ...	1	
Mandrels , scabbard, sword—		
Cavalry, patt. '08	1	
Staff { patt. '89	1	
serjeants { patt. '97	1	
<i>Section No. 7.</i>		
Stamps , { $\frac{5}{16}$ -in. figures, 0 to 8 sets	1	
steel, for { $\frac{5}{16}$ -in. letters	1	
metal { dash lines, $\frac{1}{4}$ -in.	1	

(a) To be obtained from R.A.O.C. when required by circuit armourers at home and abroad. At stations abroad these gauges may also be issued on loan to regimental armourers when the services of a circuit armourer are not available.

TABLE 4.—Tools for Repair of Bicycles.

Referred to in paragraph 405.

Description.	No.	Remarks.
<i>Section No. 7.</i>		
Brushes, hair, flat { 1-inch ...	2	
{ ½ " ...	2	
<i>Section No. 21B.</i>		
Bits, screwdriver, pedal pin ...	1	
Brushes, bicycle ...	1	
Clamps, bicycle... ...	1	
Hammers, bicycle ...	1	
Injectors ...	1	
Punches, bicycle ...	1	
Scissors, bicycle ... pairs	1	
Spanners, { bicycle { box { hexagon ...	1	
	1	
	1	
	1	
	1	
	1	
	1	

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TABLE 5.—Tools for repair of Bicycles to be obtained from B.A.O.C. on loan when required.

Referred to in paragraph 406.

Description.	No.
<i>Section No. 7.</i>	
Files { bastard, hand, safe-edge, 6-inch ...	1
{ second out, half-round, 4-inch ...	1
{ smooth, round, 4-inch... ...	1
Handles, file, small ...	3
<i>Section No. 12.</i>	
Pots, cooking, oval, 2-gallons ...	2
<i>Section No. 21B.</i>	
Dies, spoke ...	1
Holders ...	1
Moulds ...	1
Stocks and dies, bicycle... ...	1
Straightedges, bicycle... ...	1

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED.
BRICKLAYERS AND MASONS.

Description.							No. for each chest.
<i>Section No. 7.</i>							
Chests , tool, empty, No. 2	...	...	...	...	...	...	1
Bars , setting	...	...	...	...	...	...	1
Bevels , wood blade, 12-inch	...	...	...	...	...	...	1
Bolsters , bricklayers	...	...	...	...	...	...	1
Chisels , hand, cold, 1-inch × 12-inch	...	...	...	...	...	...	1
Compasses , wing, 7-inch	...	...	...	...	...	pairs	1
Hammers , masons {	chisel point	...	...	...	...	...	1
	mash	...	...	...	...	...	1
Levels , spirit, rule, with leather case	...	...	...	...	...	...	1
Lines , bricklayers	...	...	...	...	...	...	1
Pins , line	...	...	...	...	...	pairs	1
Points , masons	...	...	...	...	...	...	2
Rules {	G.S. 4-fold	...	...	...	...	...	1
	masons, plumb, 2 ft. 6 in.	...	...	...	...	...	1
Squares , smiths, 2 feet × 6 inches	...	...	...	...	...	...	1
Trowels {	bricklayers, pointing {	cross joint	...	...	...	...	1
		tuck	...	...	...	...	1
	bricklayers, 12-inch	...	...	...	...	...	1
	masons	...	...	...	...	...	1
	plasterers, set	...	...	...	...	...	1
<i>Section No. 11.</i>							
Brushes , {	3-knot	...	...	...	...	...	1
whitewash, {	copper bound	...	...	...	...	...	1
bristle							
NOTE.—The undermentioned articles are not carried in the chests, and if required will be separately demanded, charged, and accounted for.							
<i>Section No. 2B.</i>							
Axes , pick {	heads, 4½-lb.	...	...	...	...	...	1
	helves, 36 inches, ferruled	...	...	...	...	...	1
Shovels , G.S.	...	...	...	...	...	...	1
<i>Section No. 7.</i>							
Hods , mortar	...	...	...	...	...	...	2
Levels , wood {	10-feet	...	...	...	...	...	1
	5 "	...	...	...	...	...	2
Sieves , masons	...	...	...	...	...	...	1
Squares , masons	...	...	...	...	...	...	2

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED.

No. 3A (Carpenters, G.S.).
 No. 3B (Carpenters, Regimental).
 No. 3c (Wheelers and Saddletreemakers).
 CARPENTERS AND WHEELERS. (a)
 CARPENTERS.

Description. ¹	No. for each Chest, tool, filled.				
	No. 3A.	No. 3B.	No. 3c.	Carpenters and wheelers.	Carpenters.
<i>Section No. 7.</i>					
Chests, tool, empty { No. 3 ,, 4	1 —	2 —	1 —	1 —	— 1
Adzes, carpenters	1	2	1	1	1
Aprons, canvas, white	—	—	—	2	2
Augers {	1½-inch	1	1	1	1
	1¾ "	—	—	—	—
	1¾ "	—	—	—	—
	1 " 29 inches long	1	1	1	1
	screw,	1	1	1	1
	solid,	—	—	—	—
	wing,	1	1	1	1
	eyed,	1	1	1	1
	handles { 16 "	1	1	1	1
	13½ "	1	1	1	1
Avis {	blades, brad	12	12	12	12
	handles, brad { large	2	2	2	2
	small	2	2	2	2
Axes {	carpenters, 6½-lb. (b), or	1	2	1	1
	band, 3-lb., or	—	—	—	—
	wheelers, 7-lb.	—	—	—	—
Baskets, tool, web-handled	1	2	1	1	1
Bevels, steel blade {	12-inch, or	1	2	1	—
	slotted, 10½-inch	—	—	—	—

(a) A number of these chests, converted from No. 6D chests, have slight difference in contents. 57/Gen. No./1269, dated 30.8.1911.

(b) Will be replaced by "Axes, hand," when unserviceable.

Carpenters, and Carpenters and Wheelers Chests—continued.

Description.		No. for each Chest, tool, filled.				
		No. 3A.	No. 3B.	No. 3C.	Carpenters and wheelers.	Carpenters.
Section No. 7—continued.						
Braces, carpenters	{ with 24 bits (a), or ratchet, with 24 bits (a) }	1	2	1	1	1
Callipers, 5-inch, inside and outside	... pairs	—	—	—	1	—
Cans, oil, lubricating	{ G.S. ... small ... }	—	—	—	1	—
Chisels	cross cut, 7-inch $\times \frac{1}{4}$ -inch	—	—	—	2	1
	{ 1 $\frac{1}{4}$ -inch 1 $\frac{1}{2}$ " }	1	2	1	1	1
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
	{ 1 $\frac{1}{2}$ " }	1	2	1	1	—
Compasses, wing	hand, cold { 1-inch $\times 8\frac{1}{2}$ -inch mortice, $\frac{1}{4}$ -inch }	1	3	1	2	1
	10-inch ... pairs	1	—	1	—	—
	7 " ... "	—	2	—	1	1
Drifts, steel, round	$\frac{1}{8}$ " ... "	—	—	—	1	—
	$\frac{1}{4}$ " ... "	—	—	—	1	—
	$\frac{3}{8}$ " ... "	—	—	—	1	—
	$\frac{1}{2}$ " ... "	—	—	—	1	—
Files	bastard, round { 14-inch 10 " }	1	2	1	—	—
	{ 8 " }	—	—	—	1	—
	regular { hand, safe edge, { 14-inch cut { tanged { 12 " }	1	1	1	1	—
	{ half round, 14 inch "	1	1	1	1	—
	saw, taper, second cut, 6-inch (or 5 $\frac{1}{2}$ -inch)...	4	4	4	4	3
	single 4 " ... "	4	4	4	4	3

(a) Detail of set of bits:—

Braces, carpenters, bits—

Centre— $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ -inch 7

Countersink—flat and rose 2

Dowelling sash 1

Gouge— $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ -inch 6Nose— $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, and $\frac{3}{4}$ -inch 5

Rimer, square... .. 1

Screwdriver 1

Taper 1

(b) Firmer chisels in possession will not be replaced by firmer, coachmakers, until worn out.

Carpenters, and Carpenters and Wheelers Chests—*continued.*

Description.	No. for each Chest, tool, filled.				
	No. 3A.	No. 3B.	No. 3C.	Carpenters and wheelers.	Carpenters.
<i>Section No. 7—continued.</i>					
Gauges, carpenters { marking	1	2	1	1	—
{ mortice	1	2	1	1	—
Gimlets, twist { No. 1	1	1	1	1	1
{ „ 3	1	1	1	1	1
{ „ 5	1	1	1	1	1
Gouges, handled {	1-inch	—	—	1	—
	{ firmer „	1	—	1	—
	{ „ „	1	2	1	—
	{ „ „	1	—	1	—
	{ pecking, 1-inch	1	2	1	—
Hammers {	carpenters	—	—	1	1
	claw (a) { 28-oz.	—	2	—	—
	{ 20 „	—	1	—	—
	{ 32-oz.	—	—	1	—
	fitters { 16 „	—	—	1	—
	{ 8 „	—	—	1	—
	{ riveting { 24-oz.	1	—	1	1
Handles, file {	{ 16 „	—	2	—	—
	{ 8 „	—	—	1	—
	{ saddleseat	—	—	1	—
Hammers {	handles, No. 6	—	—	1	—
	large	1	1	1	—
	middling	2	2	2	1
Hammers {	small	2	2	2	2
	holders, file, with handle, half-round, 14-inch	1	1	1	—
Knives, drawing, carpenters	—	—	1	1	1
Lines, carpenters	1	2	1	1	1
Mallets, carpenters	1	2	1	1	1
Oilstones { carpenters	1	2	1	1	1
{ slips, Turkey	—	—	—	1	—
Pencils, carpenters	6	9	6	6	6
Pincers, carpenters pairs	1	2	1	1	1
Planes {	jack	1	1	1	—
	plough	1	1	1	—
	rabbit, skew, 1½-inch	1	—	1	—
	smoothing	1	2	1	—
Pliers, side cutting {	8-inch pairs	—	—	1	—
	8 „ cutters pairs	—	—	2	—
Pots, glue { 1-pint	—	1	—	1	—
{ 1-quart	1	1	—	—	—
Punches { carpenters, small	1	2	1	1	1
{ centre, 4½-inch	—	—	—	1	—
Rasps, rough, half-round, 12-inch	1	1	1	1	—

(a) Will be replaced by carpenters' hammers when stock is exhausted.

Carpenters, and Carpenters and Wheelers Chests—*continued.*

Description.	No. for each Chest, tool, filled.				
	No. 3A.	No. 3B.	No. 3C.	Carpenters and Wheelers.	Carpenters.
<i>Section No. 7—continued.</i>					
Reels, carpenters line	1	2	1	1	1
Rules, G.S., 4-fold	1	2	1	1	2
compass	1	—	1	1	—
dovetail, brass back	—	2	1	1	—
Saws { hand, 26-inch	1	2	1	1	1
tenon { 19-inch	1	—	1	—	—
14 "	—	2	—	1	1
14-inch... ..	1	2	1	1	—
Screwdrivers, G.S. { 12 "	—	—	—	—	1
6 "	1	2	1	1	—
Scribers	—	—	—	1	—
Sets, saw, hand	1	2	1	1	1
Spanners, adjustable, 15-inch... ..	1	2	1	1	1
Spokeshaves, 3½-inch	1	2	1	1	1
Squares, carpenters, 9-inch	1	2	1	1	1
Stones, rag	1	—	1	—	—
Tongs, wheeler fitters	—	—	—	1	—
Vices, bench, saddletreemakers	—	—	1	—	—
<i>Section No. 9A.</i>					
Chalk, white lbs.	½	½	½	½	½
<i>Section No. 10A.</i>					
Padlocks, iron, 2-inch	—	—	—	—	1
<i>Section No. 11.</i>					
Brushes, paint, sash tool, No. 6	1	2	1	1	—
<i>Section No. 13C.</i>					
Cloths, sponge	—	—	—	4	—
<i>Stationery Office Supplies.</i>					
Handbooks, military artificers	—	—	—	1	—

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED,
No. 5A (SADDLERS), PANNIERS, TOOL, FILLED,
SADDLERS, AND HOLDALL, TOOL, SADDLERS.

Description.		No. for each		
		Chest or Pannier.	Holdall, Saddlers.	
Section No. 7.				
Chests, tool, empty, No. 5 ...	...	1	—	
or				
Panniers, tool, saddlers, empty ...	...			
Holdalls, tool, saddlers ...	...	—	1	
Aprons, canvas, white ...				
	buckling { 5-inch ...	3	—	
	{ 4 " ...	3	—	
	drawing ...	2	2	
	garnishing { 2½-inch ...	2	2	
	{ 2 " ...	2	2	
Awls { blades	harness { 3-inch ...	3	1	
		2½ " ...	4	2
		2½ " ...	4	2
		2½ " ...	4	2
		2 " ...	3	2
	pannel { 7 " ...	2	2	
		5½ " ...	2	—
		drawing ...	4	1
		harness ...	4	3
		pannel ...	4	1
Bones, hollow ...		1	—	
Chisels, hand, cold, ½ inch × 8 inches ...		1	—	
Clams, saddlers ... pairs		1	1	
Claws, nail ...		1	1	
Compasses, wing, 7-inch ... pairs		1	1	
Creases { double ...	...	1	—	
	single ...	1	—	
Gimlets, twist, No. 6 ...		1	—	
Hammers { riveting, 8-oz. ...	...	1	1	
	saddlers ...	1	—	
Holdalls, tool, saddlers ...		1	—	
Irons { collar, plugging ...	...	1	—	
	pricking { 12-stitch ...	1	—	
		7 " ...	1	—
	5 " ...	1	—	

Saddlers Chests, Panniers and Holdalls—*continued.*

Description.		No. for each	
		Chest or Pannier.	Holdall, Saddlers.
<i>Section No. 7—continued.</i>			
Knives	{ gauge-plough	1	—
	{ half-round	1	1
	{ head	1	—
	{ trimming	1	1
Lead, punching, saddlers, 4-lb.	... piece	1	—
Mallets	{ collar	1	—
	{ tinmans	1	—
Marline spikes, steel, 9-inch	... ..	1	1
Needles	{ collar, half-moon { 6½-inch	1	1
	{ 5½-inch	1	1
	{ 4½-inch	1	1
	{ darning, 4-inch	6	—
	{ harness	75	25
	{ saddlers { sewing	50	25
	{ stitching	25	—
Palms, saddlers	... ..	1	1
Pincers, saddlers	 pairs	1	—
Pliers, flat nose	 "	1	1
Punches	{ No. 31	1	—
	{ " 28	1	—
	{ " 24	1	—
	{ " 23	2	—
	{ " 22	2	—
	{ " 21	2	—
	{ " 20	2	—
	{ spring, 11-inch	1	1
Rasps, shoemakers, 10-inch	... ..	1	—
Rules, G.S., 4-fold	... ..	1	1
Scissors, tailors	 pairs	1	1
Screwdrivers, G.S., 6-inch	... ..	1	—
Shaves, saddlers	... ..	1	1
Sticks, stuffing	... ..	1	—
Thimbles, tailors	... ..	2	1
Tools, edge	{ No. 2	1	—
	{ No. 3	1	—
<i>Section No. 10A.</i>			
Padlocks, brass, 1½-inch	... ..	1 (a)	—
<i>Section No. 12.</i>			
Stones, rub, scythe	... ..	1	1

(a) Pannier only.

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED

No. 6A (Coopers, G.S.).

COOPERS.

Description.	No. for each Chest, tool, filled.	
	No. 6A.	Coopers.
<i>Section No. 7.</i>		
Chests, tool, empty, No. 6 ...	1	1
Adzes, coopers {		
nailing ...	1	1
notching ...	1	1
rounding ...	1	1
trussing ...	—	1
Aprons, canvas, white ...	—	2
Axes, coopers ...	1	1
Borers, bung ...	1	1
Braces, {		
bits {		
brewer's gimlet, tanged	—	1
centre, 1-inch ...	—	1
ratchet, without bits ...	—	1
Chisels, hand, cold, 1 inch × 8½ inches ...	1	1
Chives, coopers, Mark II ...	1	1
Compasses, wing, 12-inch ... pairs	1	1
Drivers, coopers, socket, iron ...	1	1
Files, saw, taper, second cut, single, 6-inch	2	2
Hammers {		
coopers, hand, 3½-lb. ...	1	1
riveting, 8-oz....	1	1
Handles, file, small... ..	1	1
Irons {		
bick upon wood ...	1	1
chintzing ...	—	1
flagging ...	—	1
Jiggers, coopers ...	1	1
Jointers, F.S. ...	1	1
Knives {		
craunming ...	1	—
drawing, coopers ...	1	1
hollowing ...	—	1
Oilstones, carpenters ..	1	1
Pincers, carpenters ... pairs	1	1
Planes, topping, coopers ...	—	1
Punches, coopers, small ...	1	1
Rules, G.S., 4-fold ...	1	1
Saws, hand, 26-inch ...	1	1
Shaves, coopers {		
inside cask ...	1	1
outside cask ...	1	1
round ...	1	1
Stocks {		
coopers ...	1	—
croze {		
barrel ...	1	1
pail ...	1	1
Stones, rag ...	—	1
Vices, screw, iron ...	1	1

and

DETAIL OF CONTENTS OF BAGS, TOOL, FARRIERS.

Description.	No. for each	
	Chest, tool, filled, farriers.	Bag, tool, farriers, filled.
<i>Section No. 7.</i>		
Chests, tool, empty, No. 7	1	—
Bags, tool, farriers	—	1
FORGE TOOLS.		
Chisels, farriers, handled	1	—
Cutters, anvil, half-round, farriers, small shank	2	—
Hammers, farriers { sledge, 9½-lb.	1	—
{ turning	1	—
Pokers, smiths	1	—
Pritchels, farriers	3	1
Slices, farriers	1	—
Stamps, farriers	2	—
Tongs, farriers { fire pairs	1	—
{ turning { large	1	—
{ medium	1	—
{ small	1	—
FARRIERS TOOLS.		
Aprons, basil, brown	1	1
Bags, tool, farriers	1	—
Brushes, farriers	1	1
Hammers, farriers, shoeing	1	1
Knives { drawing, farriers	2	1
{ searching, farriers	1	1
Pincers, farriers pairs	1	1
Rasps, farriers, 16-inch	2 (a)	1
Stones, rag, farriers	1	1

(a) Renewable quarterly.

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED—

No. 11A (Smiths, G.S.).

No. 11D (Smiths, Regimental).

No. 11E (Carriage-smiths, R.A. Garrison).

SMITHS.

Description.				No. for each chest, tool, filled.				
				No. 11A.	No. 11D.	No. 11E.	Smiths.	
Section No. 7.								
Chest, tool, empty, No. 11 ...				1	1	1	1	
Aprons, basil, brown (or white) ...				—	2	2	4	
Bags, tool, farriers ...				—	1	—	—	
Braces	ratchet	18-inch	1 1/2-inch	—	—	1	—	
			1 3/4 " "	—	—	1	—	
			1 1/4 " "	—	—	1	—	
			1 1/2 " "	—	—	1	—	
			1 " "	—	—	1	—	
		drills	7/8 " "	—	—	1	—	
			3/4 " "	—	—	1	—	
			3/8 " "	—	—	1	—	
			1/2 " "	—	—	1	—	
			1/4 " "	—	—	1	—	
			1/8 " "	—	—	1	—	
			1/16 " "	—	—	1	—	
			9-inch	—	—	—	1	
			12 " drills	—	—	—	1	
			posts, 16-inch, Mark II	—	—	—	1	
			smiths	...	1	1	1	1
	smiths, bits	countersink, rose	...	1	1	1	1	
			rimer { half round	...	1	1	1	1
			square	...	1	1	1	1
	Callipers { 10-inch, outside ... pairs				1	1	1	1
	{ 5 " inside and outside "				—	—	—	1
Cans, oil, lubricating, G.S. ...				—	—	—	1	
Cases, tools, screw-cutting, B.A. thread, Mark II, filled ...				—	—	—	1	
Chisels	cross cut, 7-inch x 1/4-inch			—	—	—	1	
	engraving			—	—	—	1	
	farriers, handled...			—	1	—	—	
	hand, cold	{ 1-inch x 8 1/2-inch	1/2 " x 8 "	1	—	1	1	
			...	1	—	1	1	
	rivet head			—	—	1	1	
	smiths, with wood	{ cold	...	1	1	1	1	
handle { hot			1	—	1	1		

Smiths Chests—*continued.*

Description.	No. for each chest, tool, filled.			
	No. 11A.	No. 11B.	No. 11C.	Smiths.
<i>Section No. 7—continued.</i>				
Compasses, wing, 10-inch ... pairs	1	1	1	1
Cutters, anvil, { 2-inch	—	—	1	—
flat, smiths { with screwed setting	—	—	—	1
{ gauge	—	—	—	1
Files, { flat, 6-inch	1	1	1	1
bastard { round { 10-inch	1	1	1	1
{ 8 "	1	1	1	1
Files { regular cut (a) { hand, safe edge,	2	2	2	2
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
{ fine cut, half-round, 8-inch ...	1	1	1	1
{ second cut, hand, safe-edge, 6-inch	1	1	1	1
Flatters, smiths	—	—	1	1
Fullers, smiths, { bottom	—	—	1	1
F.S. { top	—	—	1	1
Hammers { farriers { shoeing	—	1	—	—
	—	1	—	—
	—	—	1	1
	—	—	1	1
	1	—	—	—
	1	1	1	—
	1	—	1	1
Handles, { large	1	1	1	1
file { middling	2	2	2	2
{ small	2	2	2	1
Holders { file, with handle, { 14-inch	1	1	1	1
	1	1	1	1
	1	1	1	1
{ half-round (b) { 8 "	—	—	—	1
{ rivet-head, small	—	1	—	—
Knives { drawing, farriers	—	1	—	—
{ searching, "	—	1	—	—
Oilstones, smiths	1	—	1	—
Pincers, farriers pairs	—	1	—	—
Plates, screw, B.A. thread... .. sets	1	—	1	—

(a) When stock of bastard files is exhausted.

(b) When regular cut files are issued.

Smiths Chests—*continued.*

Description.	No. for each chest, tool, filled.			
	No. 11A.	No. 11B.	No. 11E.	Smiths.
<i>Section No. 7—continued.</i>				
Pliers { flat-nose ... pairs	—	1	—	—
{ side-cutting { 8-inch ... cutters ...	—	—	—	1
{ 7-inch ... pairs	—	—	1	2
Pokers, smiths ...	—	1	—	1
Punches { centre, 4½-inch ...	—	—	1	1
{ round { ½-inch × 10-inches ...	—	—	—	1
{ 1½ " × 4 " ...	—	—	—	1
{ smiths { cold ...	1	1	—	—
{ hot { ½-inch ...	1	1	1	1
{ ¾ " ...	1	1	1	1
Rasps, farriers, 16-inch (or 14-inch) ...	—	1	—	—
Rods, smiths, iron ...	—	—	4	4
Rules { armament artificers 1-foot ...	—	—	—	1
{ carpenters, common ...	1	—	1	—
{ smiths ...	—	—	—	1
Saws { cutting metal { 10-inch ...	1	1	1	—
{ blades, 10-inch ...	1	—	1	—
{ hack { 12-inch ...	—	—	—	1
{ blades ...	—	—	—	6
Screw-drivers, { 14-inch ...	1	1	1	1
general service { 6 " ...	1	1	1	1
Scribers ...	—	—	—	1
Slices, farriers ...	—	1	—	1
Snap { hand-riveting { 7/16-inch ...	—	—	1	1
{ " { 1/4 " ...	—	—	1	1
{ " { 3/8 " ...	—	—	1	1
{ riveting, rod { 1/2 " ...	—	—	1	1
{ 3/4 " ...	—	—	1	1
Spanners { adjustable, 15-inch ...	—	—	—	1
{ McMahon, 15 " ...	1	1	1	—
Squares { box, fitters ...	—	—	—	1
{ fitters, 4-inch ...	—	—	—	1
{ smiths { 2-foot × 1-foot ...	1	—	1	—
{ 18-inch × 9-inch ...	—	—	—	1
Stamps, farriers ...	—	1	—	—
Stones, rag ...	—	—	—	2

Smiths Chests—continued.

Description.		No. for each chest, tool, filled.			
		No. 11A.	No. 11D.	No. 11E.	Smiths.
<i>Section No. 7—continued.</i>					
Tongs	{ farriers, turning, small ... pairs	—	1	—	—
		1	—	1	1
	{ smiths { forge { large	1	—	1	—
		—	1	—	1
		1	—	1	1
Tools, bow, drilling	{ hollow bit ... "	1	—	1	1
	{ plier ... "	1	—	1	1
	{ bows, smiths ... "	1	1	—	—
	{ boxes ... "	2	1	—	—
	{ breast-plates, smiths ... "	1	1	—	—
	{ drills ... sets	1	1	—	—
Tools, forming	{ stocks ... "	1	1	—	—
	{ strings, smiths ... knots	2	1	—	—
Tools, rounding	{ bottom ... "	—	—	—	1
Travellers	{ top ... "	—	—	—	1
Vices	{ bench, saddletreemakers ... "	—	—	1	1
	{ hand, 16-oz. ... "	1	1	1	1
<i>Section No. 13C.</i>					
Cloths, sponge	... ..	—	—	4	4
<i>Stationery Office Supply.</i>					
Handbooks, military artificers	... ..	—	—	1	1

PLUMBERS.

Description.	No. for each chest.	
<i>Section No. 7.</i>		
Chests , tool, empty, No. 12...	1	
Aprons , canvas, white	2	
Awls , scoring, brass	1	
Blowpipes , 12-inch	1	
Bosses , plumbers, 2½-inch	1	
Chisels , smiths, with wood handle, cold	1	
Compasses , wing, 7-inch	1 pairs	
Dressers , plumbers	1	
Groovers , tinmans { large	1	
	{ small	1
Hammers , riveting { 16-oz.	1	
	{ 4-oz.	1
Hammers , tinmans, block, 3-lb. 6-oz.	1	
Hooks , shave, 1½-inch	1	
Irons , { hatchet shape	1	
soldering { plumbers, 1½-lb.	1	
	{ tinmans, large	1
Knives , cutting	1	
Ladles , melting, ½-pint	1	
Mallets { plumbers	1	
	{ tinmans	1
Moleskin , wiping	1 yards	½
Pliers { gas, 9-inch	1 pairs	
	{ round nose	1 "
Pots { fire, tinmans...	1	
	{ melting, 3-pints	1
Punches , tinmans, flat end { large	1	
	{ small	1
Shears , tinmans, snip	1 pairs	
Snaps , hand, riveting, tinmans	1	
Stakes , tinmans, hatchet, Mark II...	1	
Sticks , bossing	1	
Wrenches { adjustable, 9-inch	1	
	{ pipe, flat link, ½-inch to 1½-inch	1

No. 12D (Plumbers, Painters, and Glaziers, Regimental).
PAINTERS AND GLAZIERS.

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Painters and Glaziers Chests—*continued.*

Description.						No. for each chest, tool, filled.	
						No. 12D.	Painters and Glaziers.
<i>Section No. 7—continued.</i>							
Pliers	{ flat nose	...	...	...	pairs	—	1
	{ gas, 6-inch	...	...	...	"	1	—
	{ round nose	...	...	...	"	1	—
Pots	{ melting, 3-pint	...	...	...	...	1	—
	{ writing	...	...	...	...	—	1
Rules, glaziers	{ 2-feet	...	...	...	...	1	—
	{ T { 2-feet	...	...	...	...	—	1
	{ T { 2-feet 6-inch	...	...	...	...	1	—
	{ 2-inch	...	...	...	pairs	1	—
Tongs, gas fitters	{ 1½ "	...	...	...	"	1	—
	{ 1 "	...	...	...	"	1	—
	{ ¾ "	...	...	...	"	1	—
	{ ½ "	...	...	...	"	1	—
<i>Section No. 11.</i>							
Brushes, paint	{ oval	...	...	...	...	3	4
	{ sash tool { No. 2	...	...	...	...	1	2
		{ " 4	...	...	...	1	—
		{ " 6	...	...	...	1	—
		{ " 8	...	...	...	—	1
	{ unground, 000	...	...	...	...	—	2

NOTE.—The undermentioned does not form part of the chest, and if required will be separately demanded, charged, and accounted for.

<i>Section No. 7.</i>							
Lamps, brazing, 1 pint	...	...	...	...	...	—	1

**DETAIL OF SET OF TOOLS, SCREW-CUTTING,
B.A. THREAD, G.S.**

Description.										No.
<i>Section No. 7.</i>										
Tools, screw-cutting, B.A. thread, G.S.—										
Cases ...	...	...	...	...	...	...	...	...	...	1
Dies	{	No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
		" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
Guides	{	No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
		" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
Plates, gauge	{ full thread...		...	...	...	...	...	...	...	1
	{ screwing size		...	...	...	...	...	...	...	1
Screwdrivers...	...	...	...	...	...	...	...	...	...	1
Stocks	...	...	...	...	...	...	...	...	...	2
Taps	{ plug	No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
		" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
		" 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
	{ taper	" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
		large	...	...	...	...	...	...	...	1
		small	...	...	...	...	...	...	...	1
Wrenches			...	...	...	...	...	...	...	1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "A."

Whitworth Standard Thread.

Description.										No.				
<i>Section No. 7.</i>														
Tools, screw-cutting, bolt and nut, Mark II—														
Chests, "A," empty, 1½-inch to 1¾-inch										1				
Clip pieces										1				
Dies, 4½-inch diameter, "A" { 1½-inch threads										1				
										1¾ " "	...	...	...	1
										1¼ " "	...	...	...	1
Screwdrivers, "A"										1				
Screws, die-setting, "A" { chaser guide ...										16(a)				
										cheese-headed	...	...	...	8(a)
										grub ...	...	...	...	8(a)
Stocks, "A"										1				
Taps {	1½-inch {	taper	...	...	...	...	...	...	1					
		second	...	...	...	...	...	...	1					
		plug	...	...	...	...	...	...	1					
	1¾ " {	taper	...	...	...	...	...	...	...	1				
		second	...	...	...	...	...	...	...	1				
		plug	...	...	...	...	...	...	...	1				
	1¼ " {	taper	...	...	...	...	...	...	...	1				
		second	...	...	...	...	...	...	...	1				
		plug	...	...	...	...	...	...	...	1				
	1½ " {	taper	...	...	...	...	...	...	...	1				
		second	...	...	...	...	...	...	...	1				
		plug	...	...	...	...	...	...	...	1				
	Wrenches, "A"										1			

(a) Spare.

Whitworth Standard Thread.

Description.	No.
<i>Section No. 7.</i>	
Tools, screw-cutting, bolt and nut, Mark II—	
Chests, "B," empty, 1-inch to $\frac{3}{8}$ -inch	1
Dies, $3\frac{1}{4}$ -inch diameter, "B" { 1-inch threads	1
" " " " " " " " " " " " " "	1
" " " " " " " " " " " " " "	1
" " " " " " " " " " " " " "	1
Screwdrivers, "B"	1
Screws, die-setting, "B" { chaser guide... ..	16(a)
" " " " " " " " " " " " " "	8(a)
" " " " " " " " " " " " " "	8(a)
Stocks, "B"	1
Taps { 1-inch { taper	1
" " " second	1
" " " plug	1
" $\frac{7}{8}$ " { taper	1
" " " second	1
" " " plug	1
" $\frac{3}{4}$ " { taper	1
" " " second	1
" " " plug	1
" $\frac{1}{2}$ " { taper	1
" " " second	1
" " " plug	1
Wrenches, "B"	1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "C."

Whitworth Standard Thread.

Description.										No.
Section No. 7.										
Tools, screw-cutting, bolt and nut, Mark II—										
Chests, "C," empty, $\frac{1}{8}$ -inch to $\frac{5}{16}$ -inch										1
Dies, 2 $\frac{1}{8}$ -inch diameter, "C" $\left\{ \begin{array}{l} \frac{1}{8}\text{-inch threads} \\ \frac{7}{16} \text{ " " " " } \\ \frac{3}{8} \text{ " " " " } \\ \frac{5}{16} \text{ " " " " } \end{array} \right.$										1
Screwdrivers, "C" ...										1
Screws, die-setting, "C" $\left\{ \begin{array}{l} \text{chaser guide} \\ \text{cheese headed} \\ \text{grub} \end{array} \right.$										16(a)
Stocks, "C" ...										8(a)
Taps $\left\{ \begin{array}{l} \frac{1}{8}\text{-inch} \\ \frac{7}{16} \text{ " } \\ \frac{3}{8} \text{ " } \\ \frac{5}{16} \text{ " } \end{array} \right. \left\{ \begin{array}{l} \text{taper} \\ \text{second} \\ \text{plug} \\ \text{taper} \\ \text{second} \\ \text{plug} \\ \text{taper} \\ \text{second} \\ \text{plug} \end{array} \right.$										8(a)
Wrenches, "C" ...										1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "D."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Tools, screw-cutting, bolt and nut, Mark II—						
Chests, "D," empty, $\frac{1}{4}$ -inch to $\frac{1}{8}$ -inch						1
Dies, $1\frac{1}{8}$ -inch diameter, "D" $\left\{ \begin{array}{l} \frac{1}{4}\text{-inch threads} \\ \frac{3}{8} \text{ " " } \\ \frac{1}{2} \text{ " " } \end{array} \right.$						1
Screwdrivers, "D"						1
Screws, die-setting, "D" $\left\{ \begin{array}{l} \text{chaser guide} \\ \text{cheese headed} \\ \text{grub} \end{array} \right.$						12(a)
Stocks, "D"						6(a)
Taps $\left\{ \begin{array}{l} \frac{1}{4}\text{-inch} \\ \frac{3}{8} \text{ " } \\ \frac{1}{2} \text{ " } \end{array} \right. \left\{ \begin{array}{l} \text{taper} \\ \text{second} \\ \text{plug} \end{array} \right.$						6(a)
Wrenches, "D"						1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK III, "A."

British Standard Whitworth Screw Thread.

Description.										No.
Section No. 7.										
Tools, screw-cutting. bolt and nut, Mark III—										
Chests, "A," 1½-inch to 1¼-inch, empty ...										1
Clip pieces ...										1
Dies	{	1½-inch	...	...	...	...	...	...	...	1
		1½ "	...	...	...	...	...	...	...	1
		1¼ "	...	...	...	...	...	...	...	1
		1¼ "	...	...	...	...	...	...	...	1
Spanners, "A" ...										1
Stocks, "A" ...										1
Taps	{	1½-inch	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		1½ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		1¼ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		1¼ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
Wrenches, "A" ...										1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT
AND NUT, MARK III, "B."

British Standard Whitworth Screw Thread.

Description.										No.
Section No. 7.										
Tools, screw-cutting, bolt and nut, Mark III—										
Chests, "B" 1-inch to $\frac{3}{8}$ -inch, empty										1
Dies	{	1-inch	...	...	...	...	...	...	...	1
		$\frac{7}{8}$ "	...	...	...	...	...	...	...	1
		$\frac{3}{4}$ "	...	...	...	...	...	...	...	1
		$\frac{5}{8}$ "	...	...	...	...	...	...	...	1
Spanners, "B"										1
Stocks, "B"... ..										1
Taps	{	1-inch	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
		$\frac{7}{8}$ "	plug	...	...	...	...	...	...	1
			taper	...	...	...	...	...	...	1
		$\frac{3}{4}$ "	second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		$\frac{5}{8}$ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
		$\frac{1}{2}$ "	plug	...	...	...	...	...	...	1
			taper	...	...	...	...	...	...	1
		$\frac{3}{8}$ "	second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
Wrenches, "B"										1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK III, "C."

British Standard Whitworth Screw Thread.

Description.								No.
<i>Section No. 7.</i>								
Tools, screw-cutting, bolt and nut, Mark III—								
Chests, "C," $\frac{1}{2}$ -inch to $\frac{5}{8}$ -inch, empty								1
Dies	{	$\frac{1}{2}$ -inch	...	...	...	...	...	1
		$\frac{7}{16}$ "	...	...	...	...	...	1
		$\frac{3}{8}$ "	...	...	...	...	...	1
		$\frac{5}{16}$ "	...	...	...	...	...	1
Spanners, "C"								1
Stocks, "C"... ..								1
Taps	{	$\frac{1}{2}$ -inch	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{7}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{8}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{5}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
Wrenches, "C"								1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK III, "D."

British Standard Whitworth Screw Thread.

Description.								No.
Section No. 7.								
Tools, screw-cutting, bolt and nut, Mark III—								
Chests, "D," $\frac{1}{4}$ -inch to $\frac{1}{16}$ -inch, empty								1
Dies	{	$\frac{1}{4}$ -inch	...	...	...	...	...	1
		$\frac{7}{32}$ "	...	...	...	...	...	1
		$\frac{3}{16}$ "	...	...	...	...	...	1
		$\frac{5}{32}$ "	...	...	...	...	...	1
		$\frac{1}{8}$ "	...	...	...	...	...	1
Holders, tap...								1
Plates, screw								1
Spanners, "D"								1
Stocks, "D"...								1
Taps	{	$\frac{1}{4}$ -inch	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{7}{32}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{5}{32}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{1}{8}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{1}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
		Wrenches, "D"	{	plug	...	...	...	...
...	...			...	...	...	1	

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BRASS AND COPPER TUBE.

Description.								No.
<i>Section No. 7.</i>								
Tools, screw-cutting, brass and copper tube—								
Chests, empty, $\frac{1}{4}$ -inch to $\frac{1}{2}$ -inch								1
Dies	{	$\frac{1}{4}$ -inch	...	...	...	...	...	1
		$\frac{5}{8}$ "	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	1
		$\frac{7}{8}$ "	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	1
		$\frac{5}{8}$ "	...	...	...	...	...	1
		$\frac{1}{4}$ "	...	...	...	...	...	1
Guides	{	$\frac{1}{4}$ -inch	...	...	...	...	...	1
		$\frac{5}{8}$ "	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	1
		$\frac{7}{8}$ "	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	1
		$\frac{5}{8}$ "	...	...	...	...	...	1
Stocks	{	large	...	...	...	...	...	1
		small	...	...	...	...	...	1
Taps	{	$\frac{1}{4}$ -inch	taper	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{5}{8}$ "	taper	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{1}{2}$ "	taper	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{7}{8}$ "	taper	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{4}$ "	taper	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{5}{8}$ "	taper	...	...	...	...	1
			plug	...	...	...	...	1
Wrenches	{	large	...	...	...	...	...	1
		medium	...	...	...	...	...	1
		small	...	...	...	...	...	1

**DETAIL OF SET OF TOOLS, SCREW-CUTTING, IRON
AND STEEL TUBE, $\frac{1}{4}$ -INCH TO $1\frac{1}{2}$ -INCH.**

Description.							No.
<i>Section No. 7.</i>							
Tools, screw-cutting, iron and steel tube, $\frac{1}{4}$-inch to $1\frac{1}{2}$-inch—							
Chests empty							1
Dies	$1\frac{1}{2}$ -inch	...	...	...	...	set	1
	$1\frac{1}{4}$ "	...	...	...	...	"	1
	1 "	...	...	...	...	"	1
	$\frac{3}{4}$ "	...	...	...	...	"	1
	$\frac{5}{8}$ "	...	...	...	...	"	1
	$\frac{1}{2}$ "	...	...	...	...	"	1
	$\frac{3}{8}$ "	...	...	...	...	"	1
	$\frac{1}{4}$ "	...	...	...	...	"	1
Stocks	large	...	...	...	...	...	1
	small	...	...	...	...	...	1
Taps	$1\frac{1}{2}$ -inch	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
	$1\frac{1}{4}$ "	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
	1 "	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
	$\frac{3}{4}$ "	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
	$\frac{5}{8}$ "	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
	$\frac{1}{2}$ "	{ taper	...	...	...	...	1
		{ plug	...	...	...	...	1
Tommies	9-inch	...	...	...	...	...	1
	6 "	...	...	...	...	...	1
Wrenches	large	...	...	...	...	...	1
	small	...	...	...	...	...	1

APPENDIX VI.

TABLE 1.—Tools for Instruction in Field Works.

Referred to in paragraph 319 (i).

Description.	Number for each Fortress or Survey Company (except siege companies).			Number for each siege company.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
<i>Section No. 2A.</i>				
Axes { felling, curved helve ...	1	2	4	2
{ hand, Mark II... ..	2	3	6	3
Helves , maul, 34½-inch	1	2	4	4
Hooks , bill	5	10	20	10
Mauls , G.S., heads	1	2	4	4
<i>Section No. 2B.</i>				
Axes , pick { heads, 4½-lb.	25	50	100	50
{ helves, 36-inches, ferruled... ..	25	50	100	50
Barrows , wheel, intrenching, with wheels	—	—	—	12
Crowbars , 4-feet 6-inch	1	2	4	2
Lamps , tracing	1	1	2	2
Shovels , R.E.	25	50	100	50
Spades , Mark III	3	5	10	12
Tapes , tracing	2	5	10	10
<i>Section No. 7.</i>				
Anvils , 1-cwt.	—	—	—	1
Augers , screw, common, 1½-inch	—	—	—	2
„ handles, 12-inch	—	—	—	2
Blocks , anvil, 1-cwt.	—	—	—	1
Cutters , wire	2	2	2	6
Forges , field, G.S.	—	—	—	1

TABLE 1—*continued*. Tools for Instruction in Field Works.

Description.	Number for each Fortress or Survey Company (except siege companies).			Number for each siege company.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
Section No. 7—contd.				
Grindstones, F.S., 14-inch ...	—	—	—	1
„ F.S., 10-inch ...	1	1	2	—
Hammers, smiths, hand, 3-lb.	—	—	—	1
Levels, spirit, rule ...	1	1	2	1
Pliers, side-cutting, 8-inch, Mark IV ... pairs	2	4	6	8
Pokers, smiths ...	—	—	—	1
Saws { hand, 26-inch ...	—	—	—	4
{ pit, 6-feet 6-inch, complete	—	—	—	1
Slices, farriers ...	—	—	—	1
Spanners, adjustable, 11-inch ...	—	—	—	1
Vices, standing, 36-lb. ...	—	—	—	1
Wrenches, pipe, flat link, ¼-inch to 2½-inch ...	—	—	—	1
Section No. 8D.				
Clinometers, mirror, Mark V ...	—	—	—	1
Cases ...	—	—	—	1
Protractors, circular, celluloid, 9-inch ...	—	—	—	1
Rods, measuring, common, 6-feet	2	5	10	10
Rulers, parallel, rolling, 1-foot 3-inch ...	—	—	—	1
Rules, sight, 16-inch ...	—	—	—	1
Tables, plane, portable, Mk. II	—	—	—	1
Tapes, measuring, metallic woven, 50-feet ...	1	1	2	2
Section No. 12.				
Balances, spring, 200-lb. ...	—	—	—	1
Shovels, stoking, small ...	—	—	—	1

TABLE 1—*continued.* Tools for Instruction in Field Works.

Description.	Number for each Fortress or Survey Company (except siege companies).			Number for each siege company.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
<i>Section No. 13c.</i>				
Gloves, hedging... ... pairs	4	6	8	6
<i>Section No. 28b.</i>				
Batteries, inert, O, ten-cell ...	2	2	4	2
Boxes, testing and jointing, filled (b) (c) ...	1	1	2	1
Cable, electric, E 1, Mark II (a) ... miles	$\frac{1}{2}$	$\frac{1}{2}$	1	1
Exploders, dynamo ...	1	1	2	1
Irons, soldering, 9-oz. ...	—	—	—	2
<i>Section No. 29b.</i>				
Clinos., pendent ...	—	—	—	1
Sextants, pocket (with case) ...	—	—	—	1
<i>Section No. 29d.</i>				
Ladders, scaling, 6-ft. (b) ...	6	12	12	12
Levels, F.S., Mark IV ...	1	2	4	4
Rods, boning, common ... sets	—	—	—	2
" " movable vane ...	—	—	—	2
<i>R.E. Supply.</i>				
Plates, loopholed, Mark II ...	—	—	—	3C

(a) 100 yards may be expended annually.

(b) These stores may be issued also to Field Companies, Royal Engineers, for annual training.

(c) Not more than 1 bobbin ($\frac{1}{2}$ dwt.) of the X. 11 wire contained in this box may be expended by each unit annually.

TABLE 2.—Bridging, Mining and Railway Stores.

Referred to in paragraph 319 (ii).

Description.				Bridging Stores.	Mining Plant.	Railway Plant.
Section No. 2A.						
Helves, maul, 34½-inch... ..				4	—	—
Mauls, G.S., heads				4	—	—
Section No. 4. N.I.V.						
Timber	{	sheeting, miners	pieces	—	(a)	—
		planks, spars, &c., various		(a)	—	—
		for mining cases and mining frames		—	(a)	—
Section No. 7.						
Adzes, carpenters				—	—	1
Augers	{	screw, solid wing, eyed	2-inch, 17½ inches (or 30¾ inches) long	2	—	—
			1½-inch	2	—	—
			1-inch, 29 inches long	2	—	—
			¾-inch	—	—	1
	{	handles	18-inch	2	—	—
16 „			2	—	—	
13½ „			—	—	1	
Gimlets, spike, ½-inch				2	—	—
Hammers	{	claw, 24-oz.	4	—	—	
		smiths, hand, 3-lb.	—	—	1	
Mallets, carpenters				2	—	—
Saws, cross cut	{	blades, 5-feet	1	—	—	
		handles	2	—	—	
Spanners, adjustable, 15-inch				—	—	1
Section No. 8A.						
Blocks, tackle, G.S.	{	3-inch cordage	treble	2	—	—
			double	2	—	—
			snatch	2	—	—
		2 „ „	double	2	—	—
			snatch	2	—	—
			treble	2	—	—

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(a) As required. To be provided locally under para. 320.

TABLE 2—continued. Bridging, Mining and Railway Stores.

Description.		Bridging Stores.	Mining Plant.	Railway Plant.	
Section No. 8A—continued.					
Cordage, hemp, hawser, 3-strand, tarred or white	3-inch	100 fms. (falls) ...	3	—	—
		30 to 36 fms. (guys) ...	12	—	—
		30 fms. (cables) ...	4	—	—
		9 „ (foot ropes) ...	12	—	—
	2½-inch	6 fms. (slings) ...	8	—	—
	2-inch	50 fms. (falls) ...	3	—	—
		9 „ (lashings) ...	50	—	—
	1½-inch	6 „ „ „	50	—	—
		60 feet (breast lines) ...	12	—	—
		6 fms. (lashings) ...	150	—	—
		3 „ (braces) ...	48	—	—
	1-inch	6 „ (lashings) ...	150	—	—
16 feet (lashings transom) ...		32	—	—	
Lines, Hambro' ...		6	—	—	
Rope, galvanized steel wire, 3-inch ... fms.		80	—	—	
Section No. 8B.					
Lifebuoys ...		2 (a)	—	—	
Oars, ash, leathered, 12-feet ...		10	—	—	
Section No. 8D.					
Rods, measuring, common, 6-feet ...		—	—	1	
Tapes, measuring, metallic woven, 50-feet ...		2	—	—	
Section No. 10B.					
Tarpaulins, 18-feet x 15-feet (or other suitable size) part worn ...		2 (b)	—	—	

(a) Number may be increased at discretion of G.O.C.

(b) If available locally, temporary issue may be authorized by the G.O.C. if considered desirable for instruction in making floating rafts.

TABLE 2—continued. Bridging, Mining and Railway Stores.

Description.	Bridging Stores.	Mining Plant.	Railway Plant.
<i>Section No. 20.</i>			
Posts, picket, 5-feet	40	—	—
<i>Section No. 28c.</i>			
Beaters { heads... ..	—	—	2
{ helves	—	—	2
Clips, lifting	—	—	2
Crowbars, { 5-feet 7-inch	—	—	1
{ 5 " 5½ "	—	—	1
Dogs, railway and sawyers, { 15-inch	100	—	—
Mark III. straight { 12 "	—	—	20
Extractors, spike, platelayers	—	—	1(a)
Gauges, platelayers, common, 4-feet 8½-inches	—	—	1(a)
Hammers, { keying	—	—	1(a)
{ spiking	—	—	1(a)
Irons, expansion, Mark II.	—	—	8
Levers, platelayers, 14-feet	—	—	1(a)
Plant, { chairs { spikes ... (spare)	—	—	200
{ chairs { trenails ... (")	—	—	20
{ fishplates sets	—	—	20
{ keys, wood	—	—	50
{ sleepers, 9-feet x 9-inch x 4½-inch	—	—	200
Railbenders, Vojacek's, heavy	—	—	100 (b)
Sets, cold, large	—	—	1(a)
Spanners, platelayers, straight, ½-inch, 2 feet long	—	—	1(a)

(a) If sets are subdivided, additional issues of these items may be made to each locality.

(b) See note (c), page 172.

(c) See note (d), page 172.

TABLE 2—continued. Bridging, Mining and Railway Stores.

Description.		Bridging Stores.	Mining Plant.	Railway Plant.
Section No. 28c—continued.				
Trench tramway plant (d)	{ gauges, platelayers, common, 2-feet	—	—	2
	{ hammers, platelayers, spiking	—	—	2
	{ spikes, dog, railway, $\frac{5}{16}$ -inch	—	—	600
	{ trench tramway—			
	{ fishplates pairs	—	—	36
	{ bolts	—	—	144
	{ rails	—	—	32
	{ sleepers	—	—	150
Not in Vocabulary.				
Plant, railway, old.—Rails, double-headed, 72 lb. per yard, 24-foot lengths		—	—	16 (c)
Section No. 29c.				
Anchors, pontoon, 1-cwt.		4	—	—
Barrel-pier	{ baulks	35	—	—
	{ gunwales, 21-ft.	8 (e)	—	—
	{ " 9-ft. (b)	56 (e)	—	—
	{ outriggers	4 (e)	—	—
{ ways, launching		1 (e)	—	—
Boathooks, 11-feet $7\frac{1}{2}$ -inch		2	—	—
Buoys, anchor		4	—	—
Sticks, rack		48	—	—
Section No. 29d.				
Blowers, Mark VI		—	2	—
Buckets, miners		—	4	—
Candlesticks, miners		—	20	—
Ladders, miners, 20-feet		—	3	—
Picks, miners	{ heads	—	3	—
	{ helves	—	3	—
Picks, miners, push		—	6	—

(b) For sets with 36-gall. casks.

(c) The following stores, if available, will be used up in lieu of these items:—

Plant, railway, old { rails, 18-foot lengths,
sleepers of sizes.

(d) Will gradually supersede "Plant, railway, old" as existing stock becomes worn out. Serviceable parts of the old railway plant will be used for the maintenance of any such sets in use, and for requirements under Table 3.

(e) These should be improvised locally after stocks have been exhausted.

TABLE 2—*continued*. Bridging, Mining and Railway Stores.

Description.	Bridging Stores.	Mining Plant.	Railway Plant.
<i>Section No. 29D—continued.</i>			
Rammers, earth	—	2	—
Scrapers, earth...	—	4	—
Shovels, miners...	—	3	—
Trucks, miners	—	4	—
<i>Section No. 29E.</i>			
Hose, prepared canvas (or rubber), 1½-inch bore, 6-12 or 20-foot lengths... feet run	—	200	—
Hose Wrenches, P, Mark II	—	4	—
<i>Not in Vocabulary.</i>			
Casks, water, 108 gallons	28(a)	—	—
or			
Casks, water, 36 gallons	84(a)	—	—
Kapok for floats lbs.	320	—	—

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(a) To be provided locally.

TABLE 2A.—Special Bridging Stores.

Description.	Proportions.
<i>Section No. 3.</i>	
Steel, mild—	
Flat, 1½-inch × ¼-inch ... feet	60
Half-round, 1½-inch × ¼-inch „	120
Round, ½-inch ... „	120
<i>Not in Vocabulary.</i>	
Screwed ends, with nuts for bolts—	
½-inch	60
¾ „	60
<i>Section No. 8A.</i>	
Rope, galvanized steel wire, 1½-inch fms.	} 60 for each Command (a). } 120 „ „ „ (b). } 100 for each Command (c). } 200 „ „ „ (d).
Rope, galvanized steel wire, 5-inch, fms.	

(a) Aldershot, Eastern, Southern, Egypt, Gibraltar, Malta and Hong Kong.
 (b) Irish.

TABLE 3.—Expendable Stores.

Referred to in paragraphs 319 (iii) and 322.

Description.	Annual Allowances.				Remarks.	
	For each Cavalry Regiment.	For each Horse or Field Artillery Battery.	For each Heavy or Medium Artillery Battery.	For each Infantry Battalion.		
<i>Section No. 3.</i>						
Wire, galvanized iron, No. 14, S.W.G. lbs.	...	...	100	56 (a)	To be provided locally under para. 320.	
„ barbed, No. 14, S.W.G. ... lbs.	...	...	...	56 (a)		
Wire, ordinary, iron	{ No. 14, S.W.G. lbs. 30 No. 24, „ „	No. 14, S.W.G. lbs.	...	...		56 (a)
		No. 24, „ „	...	...		5
<i>Section No. 4. N.I.V.</i>						
Profiling stuff, 1½-inch × ¾-inch	...	...	...	...		
<i>Section No. 8A.</i>						
Cordage, spun yarn, hemp, 3-thread, tarred ... lbs.	10	14	...	14		
Twine, whipping ... „	...	...	...	4		
<i>Section No. 9A.</i>						
Chalk—						
White lbs.	...	...	...	10		
Prepared, white boxes	...	...	...	1		

(a) 50 per cent. only may be expended annually.

TABLE 3—continued. Expendable Stores.

Description.	Annual Allowances.				Remarks.
	For each Cavalry Regiment.	For each Horse or Field Artillery Battery.	For each Heavy or Medium Artillery Battery.	For each Infantry Battalion.	
<i>Section No. 10A.</i>					
Nails { iron, spike, No. 184, lbs.	...	...	...	100	
{ steel, clasp, cut, No. 63 ... „	3	...	...	14	
<i>Section No. 28c.</i>					
Plant, railway, old {	chairs ...	12	...	...	
	keys, wood... ..	12	...	...	
	rails ... yds.	12	...	...	
	sleepers, 9 ft. x 9 in. x 4½ in. ...	6	...	...	
<i>Section No. 29D.</i>					
Brushwood—					
Fascines (c) } bundles	40	...	1a	1a	
or Gabions (c) }					
Expanded metal sheets	...	...	25	10b	
Pickets—					
Brushwood	...	...	...	...	To be provided locally, as necessary.
Sandbags	...	...	100	250	
<i>Not in Vocabulary.</i>					
Rope or cordage, old lbs.	14	14	...	28	For teaching knots.
Straw ... trusses	20	...	...	...	R.A.S.C. supply.

(a) For each man exercised, to be provided locally.

(b) If brushwood is expensive.

(c) Alternative issue, as desired.

TABLE 4.—Explosives.

Referred to in paragraph 319 (iii).

Under consideration. Scales will be published from time to time by A.C.Is.

APPENDIX VII.

Referred to in paragraphs 226 and 248.

CAMP EQUIPMENT.

TABLE 1.—Standing Camps. Proportions for all Services.

Description.	Proportion.
<i>Section No. 2A.</i>	
Axes { felling, curved helve hand, Mark II ...	{ 10 for each regiment of cavalry and battalion of infantry, 4 for each other unit.
Bags , letter, field ...	1 for each office; headquarters units only.
Boxes , stationery, field ...	1 for each office; headquarters units only.
Buckets , water, G.S., canvas ...	1 for 2 horses.
Chairs , camp ...	1 for each general officer.
Colours , camp ...	8 for each field veterinary section.
Cords , forage ...	1 for 8 mounted warrant officers, N.C.Os. and men or less.
Covers , saddle ...	1 for each set of saddlery or single set of harness, 2 for each double set of harness.
Flags , distinguishing ...	As required.
Forms , dining tent ...	1 for 4 members of serjeants' messes, 36 for each store tent, and 14 for each marquee allowed for dining purposes.
Helves , maul, 34½-inch ...	1 for 50 horses.
Hooks , bill ...	10 for each regiment of cavalry, 20 for each battalion of infantry, 4 for each other unit.
Kettles , camp, oval, 12 quarts ...	1 for 8 warrant officers, N.C.Os. and men.
Lanterns , tent, folding (a) ...	20 for each regiment of cavalry, 4 for each battalion of infantry, 2 for each headquarters, 2 for each other mounted unit, and 1 for each other dismounted unit. 1 for each tent may be issued, under authority of the G.O.C. in coun- tries where there is no twilight.
Mallets , heel peg (b) ...	1 for 3 officers' horses, 1 for 8 other horses.
Mauls , G.S., heads ...	1 for 50 horses.
Nets , hay ...	1 for each horse, if specially re- quired.

(a) Or lamps, hurricane, in lieu.

(b) Axes, hammer-headed, 1 for 8 mules.

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TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.				Proportion.
<i>Section No. 2A—continued.</i>				
Ovens , Aldershot pattern...	...			2 for each regiment of cavalry, or battalion of infantry, and 1 for each other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days.)
Plates , bottom	...			1 for each oven when specially required.
Pegs , picketing, with rope loop (<i>d</i>)				2 for each horse, and 25 per cent. spare. (Not for medium artillery batteries.)
Posts , picket, 2½-feet, with rope loop	...			Medium artillery batteries, 1 for each horse. Other units 1 for every 10 horses. (To increase stability of built-up rope.)
Racks , arm, tent, large loops ...	...			1 for each warrant officer's, N.C.O.'s. and man's tent.
Ropes	head, hemp, with ring (<i>e</i>)			1 for each horse and 10 per cent. spare (50 per cent. spare for medium artillery batteries).
	heel	...		1 for each horse and 20 per cent. spare. Not for medium artillery batteries.
	„ large	...		1 for each horse and 10 per cent. spare. Medium artillery batteries only.
	picketing, 4-feet 9-inches			1 for each horse and 10 per cent. spare. Not for medium artillery batteries.
Rugs , horse... ..	...			1 for each public horse (<i>c</i>).
Screens , latrine (<i>a</i>)	...			1 for officers of each unit, 1 for warrant officers and N.C.Os. of each unit, 2 for each company of infantry, and 1 for each company or squadron of other arms.
Sheets , ground (<i>b</i>)... ..	...			1 for each warrant officer, N.C.O., and man.
Stools , camp	...			1 for each office tent (headquarters units only).
Stoves , Soyer's	...			4 for each regiment of cavalry or battalion of infantry and 1 for each other unit. <i>To be issued only when coal is the fuel used.</i>

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(a) An additional one may be issued for bathing places if considered desirable.

(b) When tent bottoms are not supplied.

(c) Rugs allowed under para. 226, if in possession, will be taken.

(d) Pins, picketing, for mules at 1 for each animal.

(e) For mules, chains, collar will be allowed, see page 179.

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TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.		Proportion.
<i>Section No. 2A—continued.</i>		
A.O. 284 1921	Tables { camp... ... portable, F.S.	1 for each general officer. 1 for every 8 members of serjeants' messes, 18 for each store tent, and 7 for each marquee allowed for dining purposes.
Tents, complete—		
	Circular, double, linen ...	1 for each general officer.
	Circular, single, linen (a) ...	1 for each field officer, 1 for every 2 other officers, 1 for every 10 warrant officers, N.C.Os. and men of dismounted units, 1 for every 8 warrant officers, N.C.Os. and men of mounted units, and 1 for every two squadrons for squadron serjeant-major and squadron quartermaster-serjeant.
A.O. 423 1921		30 miscellaneous for each regiment of cavalry; 12 miscellaneous for each other mounted unit, 16 miscellaneous for each battalion of infantry, and 5 for each other dismounted unit.
		For headquarters units, 1 for each officer, 1 for every two servants, 1 for each office, and 3 miscellaneous.
	Marquee, G.S., single ...	1 for recreation room for each regiment of cavalry, brigade of artillery, or battalion of infantry, 1 for each serjeants' mess with a brigade of artillery, 1 for each headquarters unit, 3 for every 2 other units if number of members of officers' mess does not exceed 12. For units whose actual strength of corporals and privates at camp is under 300, 1 for every 60 men (for dining purposes).
A.O. 284 1921	Store	1 for each serjeants' mess with a regiment of cavalry, or battalion of infantry. For units whose actual strength of corporals and privates at camp is 300 or over, 1 for every 150 men (for dining purposes).

(a) See paragraph 248 regarding issues of C. D.L. in lieu at stations abroad.

TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.	Proportion.
<i>Section No. 2A—continued.</i>	
Tubs , washing, 3½ gallons... ..	1 for each staff serjeant's tent and 2 for each tent for other N.C.O's. and men.
<i>Section No. 2B.</i>	
Axes , pick { heads, 4½-lb. { helves, 36 inches, { ferruled ... }	10 for each regiment of cavalry and battalion of infantry, 4 for each other unit.
Barrows , wheel, intrenching, with wheels	16 for each regiment of cavalry, 3 for each other mounted unit.
Crowbars	4 for each regiment of cavalry and battalion of infantry, 1 for each other unit.
Shovels , G.S. (a)	16 for each regiment of cavalry, 10 for each battalion of infantry, 5 for each other mounted unit, 3 for each other dismounted unit.
Spades , Mark III	10 for each regiment of cavalry or battalion of infantry, 5 for each other mounted unit and 3 for each other dismounted unit.
Wedges , sawyers (b)	6 for each regiment of cavalry or battalion of infantry, 2 for each headquarters and 4 for each other unit.
<i>Section No. 5B.</i>	
Packsaddlery , G.S., chains, col- lar, Mark IV	1 for each mule if not already in possession as part of packsaddlery.
<i>Section No. 7.</i>	
Anvils , 1-cwt.	1 for each forge, field, G.S.
Blocks , anvil, 1-cwt.	1 for each forge, field, G.S.
Forges , field, G.S.	2 for each regiment of cavalry and 1 for each other mounted unit un- provided with forge in peace equipment.

(a) Royal Engineers will receive spades, Mark III. in lieu.

(b) Supplied only when wood that requires splitting is issued.

TABLE 1—*contd.* Standing Camps. Proportions for all Services.

	Description.	Proportion.
	<i>Section No. 8A.</i>	
	Cordage , hemp, hawser, 3-strand, tarred, 2½-inch	As necessary for medium artillery batteries.
	<i>Section No. 11.</i>	
	Brooms , birch	16 for each regiment of cavalry, 10 for each battalion of infantry, 6 for each other unit.
A.O. 284 1921	Brushes , scrubbing, hand	2 for each store tent and 1 for each marquee allowed for serjeants' messes, 4 for each store tent and 2 for each marquee allowed for dining purposes.
	Chairs , Windsor	3 for each unit (except headquarters units) for orderly room and quartermaster's stores.
	Lamps , hurricane	As required. Not to exceed :— 12 for each battalion of infantry, 6 for each regiment of cavalry, 2 for each other unit, for lighting urine receptacles and latrines at night in camps of not less than 14 days' duration.
	Tables , soldiers ... { 4-feet ...	1 for each headquarters office.
	{ 6 „ ...	3 for each unit (except headquarters units) for orderly room and quartermaster's stores, 1 for each store tent and marquee allowed for serjeants' messes, 2 for each store tent and 1 for each marquee allowed for dining purposes.
A.O. 284 1921	<i>Section No. 12.</i>	
	Basins , enamelled, 6-inch	1 for each warrant officer, N.C.O. and man.
	Implements, butchers { balances, spring, 4-lb.... ... 1 } { cases, wood, empty 1 } { choppers, meat 1 } { hooks, dressing, 9-inch 6 } { knives { cutting 1 } { flaying, large 1 } for each unit. { saws, tenon, 14-inch 1 } { sheets, ground (unservic- able) 1 } { steels 1 } { steelyards, 56-lb. 1 }	

TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.	Proportion.	
<i>Section No. 12—continued.</i>		
Pails , iron, galvanized, 3 gallons...	1 for each tent (except office tents), 2 for each store tent and 1 for each marquee allowed for serjeants' messes, 4 for each store tent, and 2 for each marquee allowed for dining purposes.	A.O. 284 1921
Plates , dinner, enamelled ...	1 for each warrant officer, N.C.O. and man.	A.O. 284 1921
Scales , weighing, iron beam, with triangles, and sets of weights, 5-cwt.	1 for each camp.	
Stones , rub, scythe (or rag) ...	6 for each regiment of cavalry or battalion of infantry, 2 for each other unit.	
Tubs , washing, 8 gallons ...	2 for each store tent, and 1 for each marquee allowed for serjeants' messes, 4 for each store tent, and 2 for each marquee allowed for dining purposes.	A.O. 284 1921
<i>Section No. 13A.</i>		
Blankets , G.S. ...	2 for each warrant officer, N.C.O. and man.	
<i>Section No. 13C.</i>		
Stretchers , ambulance ...	1 for each unit (except headquarters).	
<i>Section No. 21A.</i>		
Carts , water ...	As required, unless water is laid on to the cooking places on the camp ground, when 1 for each regiment of cavalry, 2 for each battalion of infantry, and 1 for each other unit will be supplied.	
<i>Section No. 28C.</i>		
Hammers , platelayers, sledge (a)	6 for each regiment of cavalry or battalion of infantry, 2 for each headquarters and 4 for each other unit.	

(a) Supplied only when wood that requires splitting is issued.

Scale for Officers' Mess (if number of members exceeds 12).
Standing Camps only.

Description.	Proportion.
<i>Section No. 2A.</i>	
Lanterns , tent, folding (a) ...	4
Stoves , Soyer's ...	2
Tents , { circular, single, linen ...	2
com- { marquee, G.S., single ...	2
plete { store ...	1
	} for each mess.
<i>Section No. 11.</i>	
Chairs , Windsor ...	1 for each officer and 6 for each mess.
Lamps , hurricane ...	1 for every 6 officers.
Tables , soldiers { 6 feet ...	1 for every 4 officers and 2 spare for each mess.
{ 4 „ ...	4 for each mess.
<i>Section No. 12.</i>	
Cans , 3 gallons ...	3 for each mess.
Dishes , meat, tin, 17½ inches ...	6 for each mess.
Tubs , washing, 8 gallons, iron ...	4 for each mess.

(a) Or lamps, hurricane, in lieu.

TABLE 2.—Camp Hospital Equipment.

Scale of Hospital Equipment for a unit when training at stations where no Military Hospital is available.

N.B.—When the sick are treated in buildings the tents and other special camp articles will not be issued.

Cleaning and washing materials will be issued upon the written authority of the G.O.C. The quantities issued will not exceed those authorized in the Hospital Schedules for hospitals generally.

Description.	No.	Remarks.
<i>Section No. 2A.</i>		
Axes , felling, curved helve	1	
Bedsteads , F.S. { boards ... sets	10	
{ trestles ... pairs	10	
Flags , dis- { hospital, 6 feet by		
{ 4 feet ...	1	
{ crossbars ... pairs	1	
{ poles, 16 feet ...	1	
Kettles , camp, oval, 12 quarts ...	2	
Screens , latrine	2	
Sheets , ground	—	1 for each bed when tent bottoms are not issued.
Stools , camp	1	
Stoves , Soyer's	1	If coal is issued.
Tables , camp	1	
Tents , { circular, single, linen	1	For dispensary.
{ complete { marquee, G.S., double	1	For sick.
Tubs , washing, 3½ gailons	1	
<i>Section No. 2B.</i>		
Shovels , G.S.	1	
<i>Section No. 7.</i>		
Chisels , ripping	1	
Hammers , claw, 24-oz.	1	

TABLE 2—continued. Camp Hospital Equipment.

Description.	No.	Remarks.
<i>Section No. 11.</i>		
Basins, sores	2	
Brooms, bass { heads, common ...	1	
{ handles	1	
Brushes, scrubbing, hand ...	2	
Chairs { night, arm, Mk. II ...	1	
{ Windsor	1	
Forms, soldiers, 4-feet	2	
Lamps, hurricane	6	2 for use as distinguishing lamps.
Tables, soldiers, 4-feet	2	
Wash-hand stands, hospital ...	1	
<i>Section No. 12.</i>		
Basins, enamelled, 7½-inch × 5½-inch	3	
Bins, ash, movable	1	
Cans, 3 gallons { lids	1	
{	1	
Cans, oil, 5½ pints	1	
Cups, spitting, enamelled ...	3	
Feeders, enamelled	2	
Kettles, enamelled	1	
Ladles, cooks, field ambulance ...	1	
Latrines, dry earth, scoops...	—	1 for each latrine.
Pails, iron, galvanized, 4 gallons	2	
Panniers, general service ...	3(a)	
Pannikins, pint, enamelled...	10	
Pans, bed, enamelled	2	
Pots { chamber, enamelled ...	4	
{ tea, enamelled	2	
Saucepans, F.A., nest of 8 ... nests	1	
Scissors { hair cutting ... pairs	1	
{ lamp	1	
Spoons, electro-plated, table ...	10	
Urinals, zinc	2	

(a) The panniers are not issued "filled," but certain stores taken from those allowed by this table will be packed in them, as shown at end of table.

TABLE 2—continued. Camp Hospital Equipment.

Description.	No.	Remarks.
<i>Section No. 13A.</i>		
Blankets, G.S.	3	} For each bed.
Bolsters, barrack, coir	1	
Cases, slip, bolster, barrack, coir	1	
Mattresses, single soldiers	1	
<i>Section No. 13c.</i>		
Cloths { bed-pan, covering	2	
{ distinctive... ..	2	
Stretchers, ambulance	1	
Towels { hand, hospital	24	
{ round	6	
<i>Not in Vocabulary.</i>		
Paper, latrine... lbs.	6	To be demanded from the R.A.S.C.
MEDICAL AND SURGICAL EQUIPMENT.		
Bottles, water (medical)	2	} To be demanded on A.F. I 1209 from the A.D.M.S. of the District* in which the training takes place.
Boxes, camp, medicine ... pairs	1	
Companion, medical	1	
Crucibles, porcelain (without lid), size 4...	1	
Haversack, surgical	1	
Hydrarg: cremor oz.	2	
Lamp, spirit, glass	1	
Oleum, olive... oz.	8	
Syringe, all glass, for mercurial injection	1	
Splints, arm, Cline's, set of 3 set	1	
" " Jones's modification of Thomas's knee, with swivel ring ...	1	

8
Equip. Regs.
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* In Commands not having separate Districts the equipment should be demanded from the D.D.M.S. of the Command in which the training takes place.

TABLE 2—*continued.* Camp Hospital Equipment.

Description.	No.	Remarks.
MEDICAL AND SURGICAL EQUIP- MENT— <i>continued.</i>		
Splints , back leg, Neville's, medium with straps	1	To be demanded on A.F. I 1209 from the A.D.M.S. of the Dis- trict* in which the training takes place.
„ elbow, Jones's	1	
„ hand, Carr's, right and left, of each 2	4	
„ hand, Jones's, iron, right and left, of each 1	2	
„ humerus extension, Jones's knee, Thomas's, without footpiece	1	
„ knee, Thomas's, metal slid- ing frame footpieces for...	2	
„ thigh, wood, Liston's, with footpiece, set of 3 set	2	
Splinting , Gooch's, 36 inches wide yd.	1	
Straps and buckles	$\frac{1}{2}$	
Tripod , iron, round top, 4 inches diameter	12	
SUPPLIES.		
Panniers , medical comfort, Mark II, filled	1	To be demanded from the O.C., R.A.S.C. of the area.
STATIONERY OFFICE SUPPLIES.		
Army Book 27 (Admission and Discharge Book)	1	To be demanded from the Stationery Office.
Army Book 39 (Diary or Ward Book)	1	

* In Commands not having separate Districts the equipment should be demanded from the D.D.M.S. of the Command in which the training takes place.

NOTE.—A "Standard, measuring, height" together with a "Machine, weighing, man" may be issued when certified to be necessary by the D.D.M.S.

The undermentioned stores, taken from those detailed in the foregoing table, will be packed in the G.S. panniers as shown below :—

Description.	No.	Carried in.
Feeders , enamelled	2	} 1st pannier.
Kettles , enamelled	1	
Ladles , cooks, field ambulance	1	
Pannikins , pint, enamelled	10	
Pots , tea, enamelled	2	
Saucepans , F.A., nest of 8 ... nests	1	
Spoons , electro-plated, table	10	
Basins { enamelled, 7½-inch × 5½-inch	3	} 2nd pannier.
{ sores	2	
Pans , bed, enamelled	2	
Paper , latrine... .. lbs.	6	
Scissors , hair cutting ... pairs	1	
Towels { hand, hospital	24	
{ round	6	
Brushes , scrubbing, hand	2	} 3rd pannier.
Cans , oil, 5½ pints	1	
Chisels , ripping	1	
Cloths { bed-pan, covering	2	
{ distinctive... ..	2	
Cups , spitting, enamelled	3	
Hammers , claw, 24-oz.	1	
Lamps , hurricane	4	
Pots , chamber, enamelled	4	
Scissors , lamp pairs	1	
Urinals , zinc	2	

TABLE 3.—Scale of Camp

Description.		All Units.	Headquarters Units.
Axes	<i>Section No. 2A.</i>		
	telling, curved helve ...	... ..	1 for each unit
	hand, Mark II ... ..	... ..	1 for each unit
Bags, letter, field ... ..		... ..	1 for each unit
Boxes, stationery, field (a)		1 for each unit ... ..	... ..
Buckets, water, G.S., canvas		1 for every 2 horses, and 1 for each horse-drawn hired vehicle	... ..
Chairs, camp ... ..		... ..	1 for each General Officer
Cords, forage		1 for every 4 horses ... ..	... ..
Covers, saddle... ..		1 for each horse ... ..	... ..
Flags, distinguishing... ..		As required ... ..	... ..
Helves, maul, 34½-inch		1 for every 50 horses ... ..	... ..
Kettles, camp, oval, 12 quarts		1 for every 16 warrant officers, N.C.Os. and men, with 50 per cent. additional, if specially ordered (b) (d)	... ..
Lamps, candle (f) ... ..		... ..	1 for each office
Lanterns, tent, folding (f) ... ..		... ..	1 for each unit
Mallets, heel peg		1 for every 8 horses or less (c)	... ..
Mauls, G.S., heads... ..		1 for every 50 horses ... ..	... ..
Pegs, picketing, with rope loop		2 for each horse and 25 per cent. spare. Not for medium Arty. batteries	... ..
Pins, picketing		1 for each mule... ..	... ..
Posts, picket, 2½-feet, with rope loop		Medium Artillery batteries 1 for each horse. Other units 1 for every 10 horses. To increase stability of built-up rope	... ..
Racks, arm, tent, large loops		1 for each warrant officer, N.C.O. and men's tent, except medical units	... ..

(a) Stationery will be provided by the units

(b) Required if cooks are sent on over night

(c) Officers' horses not picketed with public

(d) Except for battalions of infantry in poses

(e) For battalions in possession of travelling

(f) Or lamps, hurricane, in lieu.

TABLE 3—continued. Camp

Description.				All Units.	Headquarters Units.
Ropes	<i>Section No. 2A.</i>				
	head, hemp, with ring (a)			1 for each horse and 10 per cent. spare (50 per cent spare for medium Arty. batteries)	... ..
	heel			1 for each horse and 20 per cent. spare. Not for medium Arty. batteries	... ..
	,, large			1 for each horse and 10 per cent. spare. Medium Arty. batteries only	... ..
	picketing, 4 feet 9 inches			1 for each horse and 10 per cent. spare. Not for medium Arty. batteries	... ..
Rugs, horse (b)	...	...	...	1 for each public horse	... ..
Screens, latrine	...	...	...	1 for officers, 1 for warrant officers and N.C.Os., and 1 for each squadron or company except infantry.	... ..
Sheets, ground	...	...	...	1 for each warrant officer, N.C.O. and man.	... ..
Stools, camp	...	...	...	... ..	1 for each office
Tables, camp	...	...	...	... ..	1 for each G.O.C. (personal use), 1 for each office tent (excluding marquee)
Tables, portable, F.S.	...	...	...	... ..	2 for every hd.-qrs. office marquee
Tents,	{ C.D.L. ...	...	...	... ..	1 for each General Officer
complete	{ C.S.L. (c) ...	...	...	... ..	1 for each field officer; 1 for every 2 other officers; and 1 for every 6 other ranks (to include the tents required for guards and offices)

(a) Collar chains for mules, see page 192.

(c) Tents to be calculated separately for headquarters, squadrons, batteries, companies, etc. 3 men; other N.C.Os. above the rank of corporal to count as 2 men. If cooks are sent

TABLE 3—continued. Camp

Description.	All Units.	Headquarters Units.
<i>Section No. 2A.</i>		
Tents , complete, marquee, G.S., single		1 for officers' mess if required; 1 for each hd.-qrs. office
<i>Section No. 2B.</i>		
Axes , { heads, 4½-lb. } pick { nelves, 36-inches, ferruled ... }		1 for each unit
Shovels , G.S. (a)		1 for each unit
Spades , Mark III		1 for each unit
Wedges , sawyers		2 for each unit... ..
<i>Section No. 5A.</i>		
Bags , nose, G.S. (or patt. 1916) ...	1 for each officer's horse	... ..
<i>Section No. 5B.</i>		
57 (F.N. 2024) Packsaddlery , G.S., chains, collar, G.S.	1 for each mule not already equipped with a chain as part of peace equipment.	... ..
<i>Section No. 7.</i>		
Anvils , 1-cwt.		
Blocks , anvil, 1-cwt....		
Forges , field, G.S.		

(a) Royal Engineers receive spades

Equipment for Manœuvres.

Cavalry.	Royal Artillery.	Royal Engineers, Royal Corps of Signals, Hd.-Qrs. of Tank Battalions and Tank Companies.	Infantry.	Royal Army Service Corps.	Royal Army Medical Corps.
... ..					
1 for each hd.-qrs.; 1 for each squadron	2 for each unit	2 for each unit	1 for each hd.-qrs.; and 1 for each company	2, for each unit	2 for each unit.
2 for each hd.-qrs.; 2 for each squadron	1 for each unit	2 for each unit	1 for each hd.-qrs.; and 1 for each company	2 for each unit	2 for each unit.
2 for each hd.-qrs.; 2 for each squadron	1 for each unit	2 for each unit	1 for each hd.-qrs.; and 1 for each company	2 for each unit	2 for each unit.
4 for each regiment; 2 for each detached squadron	2 for each unit	2 for each unit	4 for each unit	2 for each unit	2 for each unit.
... ..					
... ..					
... ..	1 for each forge, field, G.S.	... ..	... ..	1 for each forge, field, G.S.	... ..
... ..	1 for each forge, field, G.S.	... ..	... ..	1 for each forge, field, G.S.	... ..
... ..	1 for each brigade hd.-qrs.; 1 for each detached battery			1 for each unit	

. Mark III in lieu.

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TABLE 3—continued. Camp

Description.	All Units.	Headquarters Units.
<i>Section No. 8A.</i> Cordage, hemp, hawser, 3-strand, tarred, 2½-inch		
<i>Section No. 11.</i> Brooms, bass { heads, common } handles }	... ..	1 for every 25 horses or less
<i>Section No. 12.</i> Implements, butchers ... sets Pails, iron, galvanized, 3 gallons (or buckets, canvas)	1 for each unit 1 for each warrant officer, N.C.O. and man's tent	... .. ... ..
<i>Section No. 13A.</i> Blankets, G.S.	1 for each warrant officer, N.C.O. and man (a).	... ..
<i>Section No. 21A.</i> Carts, water ... ..	... ..	1 for each unit
<i>Section No. 28C.</i> Hammers, platelayers, sledge ... ..	... ..	1 for each unit

(a) A second blanket for each man will be stored in ordnance depots in the

Equipment for Manœuvres.

Cavalry.	Royal Artillery.	Royal Engineers, Royal Corps of Signals, Hd.-Qrs. of Tank Battalions and Tank Companies.	Infantry.	Royal Army Service Corps.	Royal Army Medical Corps.
... ..	As necessary for medium batteries	... ..	... ..	... ..	... ..
1 for every 25 horses	1 for every 25 horses	1 for every 25 horses	1 for each hd.-qra. and 2 for each company	1 for every 25 horses	2 for each unit.
... ..					
... ..					
... ..					
2 for each regiment; 1 for each detached squadron	1 for each unit	1 for each unit	2 for each unit	1 for each unit	1 for each unit.
2 for each regiment; 1 for each detached squadron	1 for each unit	1 for each unit	2 for each unit	1 for each unit	1 for each unit.

manœuvre area, ready for issue if specially ordered.

TABLE 3—continued.

SCALE OF EQUIPMENT FOR MESSES ON MANŒUVRES.

I.—Large Mess.

Description.	Proportion.
<i>Section No. 2A.</i>	
Lanterns, tent, folding (b)	4
Screens, latrine	1
Tables, portable, F.S.	1 for every officers and 2 spare.
Tents, { circular, single, linen	1
complete { marquee, G.S., single (a)	1
<i>Section No. 2s.</i>	
Shovels, G.S.	1
<i>Section No. 11.</i>	
Lamps, hurricane	1 for every 6 officers.
 <i>II.—Small Mess.</i>	
<i>Section No. 2A.</i>	
Lanterns, tent, folding (b)	1
Tables, portable, F.S.	1
Tents, complete, circular, single, linen... ..	1
<i>Section No. 11.</i>	
Lamps, hurricane	1

(a) If more than 24 officers are encamped an additional marquee may be drawn.

(b) Or lamps, hurricane, in lieu.

TABLE 3—*continued.*

**SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTES
ON MANŒUVRES.**

I.—Full Canteen.

Description.	Proportion.
<i>Section No. 2A.</i>	
Lanterns, tent, folding (a)	3
Tables, portable, F.S.	2
Tents, complete, marquee, G.S., single	1

Section No. 12.

Machines, weighing, 28-lb., spring balance	1
Pails, iron, galvanized, 3 or 4 gallons	2

II.—Half Canteen.

Section No. 2A.

Lanterns, tent, folding (a)	2
Tables, portable, F.S.	1
Tents, complete, marquee, G.S., single	1

Section No. 12.

Machines, weighing, 28-lb., spring balance	1
Pails, iron, galvanized, 3 or 4 gallons	1

(a) Or lamps, hurricane, in lieu.

APPENDIX VIII.

(Referred to in paragraphs 185, 378, 386, 389 and 400.)

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1920

**MATERIALS FOR REPAIR AND PRESERVATION
OF SMALL ARMS AND MACHINE GUNS.****I. MATERIALS FOR REPAIRING SMALL ARMS.**

Units in possession of a greater or less number of small arms than those for which scales are laid down will demand proportionate quantities.

Fractional results should be taken as whole numbers, and allowance should be made for any number in possession of the unit.

The patterns of small arms for which components are required should be stated on indents.

In the case of mobilization small arms, particular care must be taken to ensure that the authorized proportions of components suited to each mark of small arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the small arms of units unprovided with armourers will be demanded and accounted for by the officer whose armourer is detailed to perform the work.

TABLE 1.—Materials for Repair of Rifles, short, M.L.E., Mark III, sighted for Mark VII Cartridges.

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Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Weedon Section.</i>		
Bottles, oil:—		
Stoppers (a)	5	
Washers (a)	10	
Pull-throughs, .303-inch arms:—		
Cords (b)	2,250	
Gauze, wire (c) pieces	2,750	
Bands, outer, M.L.E.R.S., I	10	
Blades, foresight, M.L.E.R.S., III:—		
.94-inch	6	
.955-inch	6	
.97-inch	2	
.985-inch	2	
1.0-inch	2	
1.015-inch	2	
1.03-inch	2	
Bolts:—		
Breech, M.L.E.R.S., I	15	
Locking, M.L.E.R.S., III	30	
Stock, M.L.E.R.S., I	1	
Brackets, swivel, butt, M.L.E.R.S., I*	5	
Caps:—		
Backsight, M.L.E.R.S., III	5	For No. 2 leaf.
Handguard, front, M.L.E.R.S., I	1	
Nose, M.L.E.R.S., III	1	
Cases, magazine, f No. 3 (d)	5	
M.L.E.R.S., I (No. 4 (e)	5	
Catches:—		
Magazine, M.L.M.R., II	5	
Safety, bolt, locking, M.L.E.R.S., I	10	
Slide, backsight, M.L.E.R.S., III	5	
Clips, stop, magazine, M.L.E.R.S., I (f)	15	
Cocking-pieces, M.L.E.R.S., I* or III*	35	
Collars, screw, front, trigger guard, M.L.M.	1	
Cut-offs, M.L.E.R.S., III (g)	10	
Discs, marking, butt, brass or steel	5	
Extractors, M.L.E.R.S., I	20	
Guards, hand, f front	25	40 for mounted units.
M.L.E.R.S., III rear	10	
Guards, trigger, M.L.E.R.S., I	1	
Hends, breech bolt, M.L.E.R.S., III	15	
Hends, screw, windgauge, M.L.E.R.S., I III, No. 2 (h)	10	For No. 1 leaf.

(a) Mark II for Mark II oil bottles, and Mark III for Marks III and IV oil bottles.

(b) 3,000 may be issued at Mauritius and Malaya.

(c) 3,375 may be issued at Bermuda, Malta and South China. 5,000 may be issued at Mauritius and Malaya.

(d) For rifles fitted with No. 3 magazine cases. When the stock of No. 3 magazine cases is exhausted, No. 4 will be issued in lieu.

(e) When required to replace No. 3 cases, No. 3 platforms with platform spring attached and No. 4 auxiliary springs will also be issued.

(f) Not for No. 4 magazine case.

(g) When stock of Marks I and I* are used up.

(h) When stock of No. 1 is used up.

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1920TABLE 1—*continued.* Materials for Repair of Rifles, short, M.L.E., Mark III, sighted for Mark VII Cartridges.

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Weedon Section—continued.</i>		
Leaves, backsight, M.L.E.R.S., III, No. 2...	5	
Nuts, screw, back, nose-cap, M.L.E.R.S., I...	1	
Nuts, screw, protector, backsight, M.L.E.R.S., III...	5	
Pins—		
Axis, backsight, M.L.E.R.S., III ...	2	
Axis, trap, butt plate, M.L.E.R.S., I*, No. 2 ...	10	5 for mounted units.
Axis, worm, fine adjustment, catch, slide, backsight, M.L.E.R.S., III ...	5	
Catch, magazine, M.L.M. ...	5	
Fixing, head, screw, } No. 1(a) ...	10	{ For No. 1 leaf.
wind gauge, } M.L.E.R.S., III } No. 2(a) ...	10	
Fixing, washer, pin, axis, backsight, M.L.E.R.S., I ...	20	
Stop, bolt, locking, M.L.E.R.S., III ...	25	
Trigger, M.L.M. ...	5	
Plates, butt, M.L.E.R.S., I*, No. 2 ...	10	5 for mounted units.
Plates, keeper, stockbolt, M.L.E.R.S., I ...	5	
Platforms, maga- { No. 2(b) ...	5	
zine, M.L.E.R.S., I { No. 3(c) ...	20	
Protectors, sight, back, M.L.E.R.S., III ...	5	
Rivets, spring, handguard, M.L.E.R.S., I ...	10	
Screws:—		
Band, inner, M.L.E.R.S., I ...	2	
Cap, backsight, M.L.E.R.S., III ...	10	For No. 2 leaf.
Cap, nose, M.L.E.R.S., I—		
Back ...	5	
Front ...	5	
Catch, slide backsight, M.L.E.R.S., III...	5	
Cut-off, M.L.M....	5	
Disc, marking butt ...	5	
Ejector, M.L.E.R.S. ...	10	
Extractor, M.L.M. ...	10	
Guard, trigger—		
M.L.E.R.S., I, back ...	20	
M.L.M., front ...	5	
Keeper, fine adjustment, M.L.E.R.S., I ...	2	For handguard cap.
Keeper, striker, M.L.E.R.S., I* ...	25	
Plate, butt, iron ...	4	
Protector, backsight, M.L.E.R.S., III ...	5	
Sear, M.L.M. ...	10	
Spring, sight, aperture, M.L.E.R.S., I ...	10	
Spring, sight, back, M.L.E.R.S., III ...	5	
Spring, trap, butt plate, M.L.E.R.S., I* ...	10	
Strap, butt plate, iron... ...	2	
Swivel, M.L.E.R.S., I* ...	40	
Windgauge, backsight, M.L.E.R.S., III ...	10	For No. 1 leaf.
Sears, M.L.E.R.S., I ...	20	

(a) For No. 1 and No. 2 heads respectively.

(b) For rifles fitted with No. 3 magazine case.

(c) With No. 2 platform spring attached. For rifles fitted with No. 4 magazine case.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E., Mark III, sighted for Mark VII Cartridges.

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Weedon Section—continued.</i>		
Slides, backsight, M.L.E.R.S., III, No. 2 ...	2	
Springs:—		
Auxiliary, plat- } No. 3(a)	20	
form, magazine, } No. 4(a)	20	
M.L.E.R.S., I ...	5	
Catch, slide, backsight, M.L.E.R.S., III ...	20	
Extractor, M.L.E.R.S., III ...	5	
Guard, hand, rear, double, M.L.E.R.S., I ...	10	
Main, M.L.M. ...	20	
Platform, magazine, M.L.E.R.S., I, No. 1 (b) ...	5	
Retaining, breech bolt, M.L.M. ...	5	
Screw, band, inner, M.L.E.R.S., I ...	10	For No. 1 leaf.
Screw, windgauge, backsight, M.L.E.R.S., III ...	15	
Sear, M.L.M. ...	20	
Sight, aperture, M.L.E.R.S., III ...	3	
Sight, back, M.L.E.R.S., III ...	5	
Stud, fore-end, M.L.E.R.S., I ...	25	
Trap, butt plate, M.L.E.R.S., I* ...	25	For No. 1 leaf.
Windgauge, backsight, M.L.E.R.S., III ...		
Stocks, butt, M.L.E.R.S.:—		
Mark I* { long	3	
normal	10	
short	3	
Stocks, fore end, M.L.E.R.S., Mark III, Nos. 1 or 2 ...	15	20 for mounted units.
Strikers, M.L.E.R.S., I, Nos. 1 or 2 ...	30	
Studs:—		
Clip, stop, magazine, M.L.E.R.S., I (c) ...	25	
Fore end, M.L.E.R.S., I ...	5	
Swivels, band, M.L.E.R.S., I ...	25	
,, piling, M.L.E.R.S., III ...	40	For mounted or dis-mounted units, but not to be issued to the latter when the next item is available.
,, piling, M.L.M.R., II ...	40	Not for mounted units.
Traps, butt plate, M.L.E.R.S., I*, No. 2 ...	10	5 for mounted units.
Triggers, M.L.E.R.S., I ...	3	
Wads, bolt, stock, M.L.M. ...	30	
Washers:—		
Bolt, stock ...	25	
Guard, hand, or rivet, fore end, M.L.E.R.S., I ...	10	
Pin, axis, backsight, M.L.E.R.S., I ...	10	
Screw, fixing, dial sight, M.L.M.R. ...	3	Also washer for "Nut, screw protector, sight, back."
Spring, band, inner, M.L.E.R.S., I ...	5	
Spring, sight, aperture, M.L.E.R.S., III ...	5	
Windgauges, backsight, M.L.E.R.S., III ...	5	For No. 1 leaf.
Worms, fine adjustment, backsight, M.L.E.R.S., III ...	5	

(a) For Nos. 3 and 4 magazine cases respectively.

(b) For No. 2 platform only. No. 3 platform is issued complete with No. 2 platform spring attached.

(c) Not for No. 4 magazine case.

TABLE 2.—Materials for Repair of Sword-bayonets,
Pattern 1907.A.O. 574
1920

Description.	Annual allowance for 1,000 sword-bayonets.
<i>Weedon Section.</i>	
Bolts , sword-bayonet, patt. '03	15
Grips , " " '07 pairs	20
Nuts , bolt, sword-bayonet, patt. '87, Mark II	20
" screw, grip, sword-bayonet, patt. '88, Mark III	20
Screws , grip, sword-bayonet, patt. '88, Mark III	20
Springs , spiral, bolt, sword-bayonet, patt. '87	20

TABLE 3.—Material for Repair of Scabbards, Sword-bayonet,
Pattern 1907.A.O. 574
1920

Description.	Annual allowance for 1,000 scabbards, for sword-bayonets.
<i>Weedon Section.</i>	
Chapes , scabbard, sword-bayonet, patt. '07, Mark II	5
Laces , iron, scabbard, sword-bayonet, short	50
" " " " long, patt. '07, Mark II	25
Leathers , scabbard, sword-bayonet, finished:—	
Patt. '07 { Mark I	10
" " { Mark II	10 (a)
Lockets , scabbard, sword-bayonet, patt. '07	3

(a) Will be issued for Mark I scabbards when stock of preceding item is used up.

TABLE 5.—Materials for Repair of Cavalry Swords and Scabbards.

A.O. 574

1920

Description.	Annual allowance for 100 swords and scabbards.	Remarks.
<i>Weedon Section.</i>		
Buff-pieces, sword, cavalry, patt. '08 ...	25	Household Cavalry and Cavalry of the Line only.
Ferrules, grip, sword, cavalry, patt. '08 ...	1	
Grips, sword, cavalry :—		
Patt. '08	2	
Household, long, patt. '92	4	
Nuts, sword, cavalry, patt. '08 :—		
Fixing { guard	2	
{ pommel	2	
Linings, scabbard, sword, cavalry :—		
Patt. { '85, Mark II	5	Also Household Cavalry patt. '92.
{ '08	5	
Loops scabbard, sword, cavalry :—		
Patt. '08 { back	1	
{ front	1	
Mouthpieces, scabbard, sword, cavalry :—		
Patt. '85, Mark II	1	Also Household Cavalry patt. '92.
Patt. '08	1	
Rings, scabbard, sword, Cavalry, Household, patt. '92	5	
Screws, mouthpiece, scabbard, sword, cavalry, patt. '85	10	Also Household Cavalry patt. '92, and patt. '08.
Wire, armourers, iron, No. 12 W.G. soft oz.	2	

N.B.—Other materials for the repair of Household Cavalry swords and scabbards will be supplied as may be found necessary.

TABLE 6.—Materials for Repair of Lances.

Description.	Annual allowance for 100 lances.	Remarks.
<i>Weedon Section.</i>		
Lances, flag, lance	15	
Protectors, lance	30	
Slings, lance	10	
Thongs, lance, sling	20	
<i>Section No. 9A.</i>		
Methylated spirit, industrial pints	1½	} For revarnishing lances.
<i>Section No. 26.</i>		
Shellac, liver oz.	12	

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1920TABLE 7—*continued*. Materials for Repair and Cleaning of
Rifles, Short, .22-inch, R.F.

Description.	Annual allowance for 16 rifles.			
	Marks I & I*.	Marks III & IV.	Pattern 1914.	
			No. 1.	No. 2.
<i>Verdon Section—continued.</i>				
COMPONENTS— <i>continued.</i>				
Plates—				
Butt, M.L.M. rifle, Mark I*	1	—	—	—
" " " II	—	1(b)	1	1
Protectors , foresight, R.F. rifles, short, Mark I*	1(a)	—	—	—
Rivets , fore-end, M.L.M.	1	1(b)	1	1
Screws—				
Band, lower, M.L.M. rifle, Mark I*	1	—	—	—
" upper, M.L.M. rifle	1	—	—	—
Bed, backsight, M.L.E.R.S., Mark I :—	—	—	—	—
Back	—	—	1	—
Front	—	—	1	—
Cap, nose, M.L.M. rifle	1	—	—	—
Fine-adjustment, backsight, M.L.E.R.S.,	—	—	—	—
Mark I	—	—	1	—
Guard, trigger, M.L.M. back	1	1(b)	1	1
Keeper, fine-adjustment, backsight, M.L.E.R.S.,	—	—	—	—
Mark I	—	—	1	—
Keeper, striker, M.L.M. rifle	1	—	—	—
Protector, foresight, M.L.E.C.L. rifle, Mark I*	1	—	—	—
Spring, sight, back, M.L.E.R.S., Mark I	—	—	1	—
Swivel, trigger guard, M.L.M. rifle	1	—	—	—
Windgauge, backsight, M.L.E.R.S., Mark I	—	—	1	—
Slides , backsight, M.L.E.R.S., Mark I	—	—	1	—
Springs—				
Catch, slide, backsight, M.L.E.R.S., Mark I	—	—	1	—
Fine-adjustment, backsight, M.L.E.R.S.,	—	—	—	—
Mark I	—	—	1	—
Screw, fine-adjustment, M.L.E.R.S., Mark I	—	—	1	—
Screw, windgauge, backsight, M.L.E.R.S.,	—	—	—	—
Mark I	—	—	1	—
Stocks—				
Butt, M.L.M. rifle, Mark I*	1	—	—	—
Fore-end, M.L.E.R.S., Mark I	—	—	1	—
" R.F. rifle, short, Mark I	1	—	—	—
" " Mark III	—	1(b)	—	—
Strikers , R.F. rifle, short, No. 2	1	1	1	1
Swivels—				
Band, M.L.M. rifle, Mark I*	1	—	—	—
Butt, M.L.M. rifle	1	—	—	—
Guard, trigger, M.L.M. rifle	1	—	—	—
Washers , guard, hand, or rivet, fore-end, M.L.M.	1	1(b)	1	1
Windgauges , backsight, M.L.E.R.S., Mark I***	—	—	1	—
APPURTENANCES.				
Brushes , cleaning, tubes, aiming	16	16	16	16
Cleaners , tubes, aiming	4	4	4	4
Rods , cleaning, tubes, aiming	1	1	1	1

(a) Mark I may be issued for Mark I rifles.

(b) Not for Mark IV.

TABLE 8.—Materials for Repairing and Browning Small arms.

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Description.	Biennial Allowance.				Remarks.
	800 arms.	600 arms.	500 arms.		
<i>Weedon Section.</i>					
Brushes, hard, armourers ...	3	2	2		
Dust, oilstone ... oz.	4	3	2		
Stalls, rubber ... { finger ...	...	...	...	3	} For every 1,500, or less, stand of arms.
{ thumb ...	...	...	...	1	
Wire, armourers:—					
Iron, No. 20, W.G., soft oz.	8	6	5		
Steel, No. 16, W.G., hard „	4	3	2		
<i>Section No. 3.</i>					
Tin, grain ... lbs.	1	1	1½		} For soldering.
Zinc alloy, for brazing... oz.	8	6	5		
<i>Section No. 7.</i>					
Brushes, hair, flat, ¼-inch ...	1	1	1		
Card, scratch ... yards	3	2	1½		
<i>Section No. 9A.</i>					
Borax ... oz.	8	6	5		
Cloth, { No. O quires	½	½	½		
emery { „ F „	4	3	2½		
{ „ 2 „	2	1½	1½		
Glue, best town made ... lbs.	4	3	2½		
Methylated spirit, industrial					
pints	½	½	½		
Oil { mineral, burning „	...	...	...		} ½ for every 100 stand of arms, for cleaning bore of barrels.
	lubricating, G.S. pints	...	...		
Paper, { No. 1½ quires	2	1½	1½		} 3 for 100 stand of arms browned by armourer.
glass, { „ 2 „	½	½	½		
{ „ 3 „	2	1½	1½		

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1920TABLE 8—*contd.* Materials for Repairing and Browning Small arms.

Description.	Biennial Allowance.			Remarks.
	800 arms.	600 arms.	500 arms.	
<i>Section No. 9A—continued.</i>				
Powder, emery, flour ... oz.	24	18	15	Includes 1 oz. for every 100 stand of arms for cleaning barrels.
Resin, black oz.	8	6	5	
Sal-ammoniac, in lumps „	2	1½	1½	Or salamac.
Soda, crystals (a) ... lbs.	144	108	90	For cleaning barrels.
<i>Section No. 13c.</i>				
Flannel, white ... yards	...	...	...	1 for every 2,000 stand of arms.
<i>Section No. 26.</i>				
Shellac, liver	...	...	...	3 ozs. for 1,000 arms on charge, for the temporary blacking of sights and parts of arms.
<i>Old Stores.</i>				
Sheeting, old lbs.	24	20	16½	
<i>Not in Vocabulary.</i>				
Mixture, browning	(b)	(b)	(b)	
Coal	...	...	...	The coal required will be drawn under the Allowance Regulations.

(a) 1½ lbs. to each gallon of water. The quantities shown are the maximum allowances, but no more should be used than is actually required to remove the grease.

(b) Browning mixture is supplied in the proportions detailed in instructions for the care, repair, and browning, &c., of arms and bayonet scabbards, in the instructions for Armourers.

TABLE 9.—Materials for Cleaning and Preservation of Small arms.

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ANNUAL SUPPLY OF OIL, &C., FOR THE CLEANING, OILING, AND PRESERVATION OF SMALL ARMS.—PEACE ONLY.

No oil, &c., except that supplied by the R.A.O.C., will be applied to the small arms under any circumstances.

Station.	Oil, lubricating, G.S., pints, for every		Lbs. Mineral jelly, red, for 500 small arms. (b)	Lbs. for 500 small arms (b)	
	100 small arms (in- cluding pistols). (a)	100 rifles or 200 pistols.			
		For lubricating actions.			For removing rust from barrels.
Home	72(c)	9	1	10(d)	—
Gibraltar	75	9	1	10(d)	—
Malta					
Egypt	84	9	1	48(e)	24(e)
Ceylon					
Malaya	84	9	1	32(f)	16(f)
Mauritius					
Hong Kong	108	9	1	32(f)	16(f)
Bermuda					
Jamaica					
West Coast of Africa					

(a) Includes the quantities required for filling oil bottles.

(b) For application between fore-end and barrel. Mineral jelly and beeswax to be mixed before application.

(c) This will also be allowed for small arms of guards and rifle depots in constant use.

(d) To be applied annually.

(e) A portion to be applied quarterly for nine months and then once a month for the remaining three months.

(f) A portion to be applied quarterly.

N.B.—In the case of Royal Artillery, when small arms are examined by an armourer, he will be provided with one eighth of a pint of oil, lubricating, G.S., for every 18 stand of small arms (or less), out of the annual allowance.

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TABLE 9—continued. Materials for Cleaning Small arms.

ANNUAL SUPPLY.—PEACE ONLY.

Sheeting, old	...	...	1½-oz. for each Webley pistol, and 10 lb. for use of the armourer.
			For each .303-inch rifle in possession of—
			Cavalry and Infantry (a) ... 12 yards
Flannelette...	...	...	Field Artillery ... 8 "
			Royal Engineers (a) ... 6 "
			Royal Corps of Signals (a) ... 6 "
			Other units (a) ... 4 "
Wire, brass, No. 26 W.G., hard, 3-inch lengths	...	...	2 oz. for 100 small arms, for use with cleaning rods Nos. 2 or 4, and rod, cleaning cylinder, pistol, Webley.
Jute, dressed	...	hanks	1 for 200 small arms, for use with cleaning rod, No. 1.

WAR SUPPLY.

NOTE.—This scale is inserted as a guide when making demands. On active service the stores will be issued as local circumstances require.

Oil, lubricating, G.S.	...	...	25 pints for each regiment of cavalry; 48 pints for each battalion of infantry, and 5 pints for 100 rifles (b) for other units.
Flannelette...	...	...	35 yards for 100 rifles (b).
Sheeting, old	...	...	3 lbs. for each regiment of cavalry or battalion of infantry.

SCALE FOR SMALL ARMS OF PATIENTS ADMITTED TO FIELD HOSPITALS ON MANŒUVRES.

Flannelette	...	...	75 yards	} For each field hospital.
Pull-throughs, .303-inch arms	...	...	2	
Oil, lubricating, G.S. ...	...	...	9 pints	

PULL-THROUGHS, DOUBLE.

PEACE. (FOR WAR, see TABLE 2, APPENDIX IV.)

Pull-throughs, double, .303-inch arms	...	10	} For 1,000 small arms. To be supplied to and used by armourers only.
Cords (spare)...	...	10(c)	
Pull-throughs, .303-inch arms—gauze, wire (pieces)	...	20(c)	

(a) These allowances may be increased 50 per cent. at Malaya, Ceylon, Hong Kong, Bermuda, Jamaica, and West Coast of Africa.

At Mauritius, 24 yards may be issued for each rifle in possession of infantry units and 8 yards for each rifle in possession of other units.

(b) Allowance for 2 pistols to be as for 1 rifle.

(c) Annual supply.

Table 10.—Annual Allowance of Material for repair of Machine Guns.

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(Referred to in paragraph 185 (i).)

Description.	Number for each			Remarks.
	Vickers M.-G.	Lewis M.-G.	Hotch- kiss M.-G.	
<i>Weedon Section—A.</i>				
Pull-throughs, double, ‘303-inch arms—				
Cords	1	1	1	
Pull-throughs, ‘303-inch, arms—				
Gauze, wire ... pieces	2	2	2	
<i>Section No. 10—A.</i>				
Pins, keep, split, $\frac{1}{8}$ " $\times$ $2\frac{1}{4}$ "...	2	—	—	For Mark IV tripod mounting.
<i>Section No. 16—B.</i>				
Belts, ammunition:—				
Eyelets, long	25	—	—	
Strips { long	25	—	—	
{ short	25	—	—	
Brushes, oil M.G....	1	1	1	
Guns, Machine, Vickers, ‘303-inch:—				
Packing, asbestos, pieces, 5 yards long	2 (a)	—	—	(a) 10 for each Vickers machine gun on charge of
Pins, split, keeper, check nut, long	2	—	—	Machine Gun
S-hooks	2	—	—	School, Seaford.
Washers, adjusting, No. 1	2	—	—	
No. 2	1	—	—	
Guns, Machine, Vickers, ‘303-inch, Mark I:—				
Corks, for plug	2	—	—	
Heads, plug, screwed ...	2	—	—	
Pins, fixing, cork plug ...	2	—	—	
" split, fixing, collar, roller	1	—	—	
Plugs, cork... ..	1	—	—	
" screwed	1	—	—	
Studs, screwed plug ...	1	—	—	

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TABLE 10—*continued.* Annual Allowance of Material for repair of Machine Guns.

Description.	Number for each			Remarks.
	Vickers M.-G.	Lewis M.-G.	Hotch- kiss M.-G.	
<i>Section No. 16—B—contd.</i>				
Guns, Machine, Lewis, ·303-inch:—				
Brushes, wire, rod, clean- ing, cylinder	—	2	—	
Extractors (Mark I or Mark II)	—	2 (d)	—	(d) The Mark II. is supplied with spring extractor.
Guides, cartridge	—	1	—	
Mops, rod, cleaning, cylinder	—	1	—	
Springs, return	—	1 (e)	—	(e) Issued with casing and hub in tin box, if avail- able, otherwise issue will be made in retaining collar.
Washers, packing, barrel...	—	2	—	
Guns, Machine, Lewis, ·303-inch, Mark I:—				
Screws, clamp ring, No. 2	—	1	—	
„ swivel	—	1	—	
Swivels	—	1	—	
Guns, Machine, Hotch- kiss, ·303-inch:—				
Covers, sight, fore... ..	—	—	1	
Extractors, hand	—	—	1	
Screws, locking	—	—	1	
Washers, spring, back- sight	—	—	2	

APPENDIX IX.

TABLE I.—Detail of Contents of Bags, Armourers, Bicycle.

Referred to in paragraph 405.

Description.		Number for each bag.	A.O. 71 1916
<i>Section No. 21B.</i>			
Ball-head, clips, handlebar	{ nuts	2	
	{ screws	2	
Balls, anti-friction	{ $\frac{1}{8}$ -inch doz.	8	
	{ $\frac{3}{8}$ -inch "	12	
	{ $\frac{1}{2}$ -inch "	10	
	{ cotters	10	
Bottom brackets	{ cups	6	
	{ nuts { cotter	10	
	{ pins, locking	6	
	{ pins, locking, No. 2	6	
	{ screws, chain-wheel	12	
	{ washers, cotter	10	
Brakes	{ nuts	32	
	{ pads	40	
Brakes, front, springs	...	2	
Brakes, rear	{ bolts { axis { lever, bell-crank	4	
	{ bolts { axis { hanger	4	
	{ bolts { axis { fork, back	4	
	{ bolts { clip { lever { bell-crank	4	
	{ bolts { clip { lever { rocking	4	
	{ bolts { spring, lever, rocking	4	
	{ bushes, lever, rocking	4	
	{ nuts { axis, lever, bell-crank	4	
	{ nuts { bolt, spring lever, rocking	4	
	{ nuts { clip, fork, back	12	
	{ springs, lever, rocking	4	
	{ stops, lever	4	
Chains, bicycle	{ washers, lever	8	
	{ bolts	10	
	{ couplings	6	
	{ links	6	
Chain adjustment	{ nuts	10	
	{ adjusters	6	
Frames, bicycle	{ nuts, seat lug, No. 2	2	
	{ screws, seat lug, No. 2	2	

Table 1—*continued.* Bags, Armourers, Bicycle.

A.O. 71 1916	Description.	Number for each bag
	<i>Section No. 21B—continued.</i>	
	back, coaster { clutches, brake 4	
	{ cones, adjustable 4	
	{ levers, brake 4	
	{ nuts { clip 6	
	{ clutch, No. 2 4	
	{ screws, clip 4	
	{ spindles 4	
Hubs	back, coaster and free-wheel { cages { No. 1 10	
	{ No. 2 6	
	{ cups, clutch, No. 2... .. 8	
	{ nuts, spindle 12	
	{ washers 12	
	back, free-wheel { cones 8	
	{ nuts, clutch 4	
	{ spindles 4	
	{ washers, stop 4	
	front { cones { adjustable 2	
	{ fixed 2	
	{ nuts 4	
	{ spindles 2	
	{ washers 4	
	Lubricators , spring lid, $\frac{1}{16}$ -inch 6	
Pedals	{ caps 6	
	{ cones 6	
	{ nuts, locking 6	
	{ pins { left 6	
	{ right 6	
	{ rings 6	
Pumps , bicycle	{ connections 6	
	{ cups 6	
Tyres , bicycle	{ covers 2	
	{ tubes 4	
Wheels , bicycle	{ nipples 24	
	{ rims { spokes 24	
	{ washers, spoke 24	

TABLE 2.—Materials for Lighting, Cleaning, Preservation and Browning of Bicycles.

ANNUAL SUPPLY. PEACE ONLY.

Referred to in paragraph 404.

Description.	Number or quantity for each bicycle.
MATERIALS FOR LIGHTING, CLEANING, AND PRESERVATION.	
<i>Section No. 9A.</i>	
Oil , lubricating, G.S. pints	1
Tallow lbs.	1
<i>Section No. 13C.</i>	
Cotton , wool (for replenishing lamps) ... oz.	2
<i>Section No. 21B.</i>	
Brushes , bicycle ...	1
<i>Not in Vocabulary.</i>	
Linen or cotton , old ... lbs.	1½
Oil , paraffin (a) { (for cleaning purposes) ... quarts	1
{ (for replenishing lamps) ... "	2
Wick (a) ...	As necessary.
MATERIALS FOR BROWNING BICYCLES.	
<i>Section No. 7.</i>	
Card , scratch ... feet	½
<i>Section No. 9A.</i>	
Cloth , emery, No. 2 ... quires	½
Oil , lubricating, G.S. pints	½
Soda , crystals ... lbs.	18 (b)
<i>Section No. 13C.</i>	
Blanket , old ... lbs.	½
<i>Not in Vocabulary.</i>	
Mixture , browning ... gills	½

(a) To be drawn from R.A.S.C.

(b) 12 gallons of water are required to cover a handle-bar in the service browning trough, and 1½-lbs. of soda to each gallon of water will be sufficient for any number of bicycles up to 100.

APPENDIX X.

MATERIAL FOR REPAIR OF ACCOUTREMENTS.
TABLE 1.—Material for repair of Bandolier Equipment,
Pattern 1903, &c.

PEACE ONLY.

Referred to in paragraph 413 (i.).

Annual supply for 100.														
Description.	Bandolier equipment, pattern 1903.													
	Bandoliers.				Belts, waist.	Carriers, greatcoat.	Covers, mess-tin, D.S.	Pockets, cartridge, 15 rounds.		Straps, greatcoat.	Carriers, water bottle, with shoulder strap.	Haversacks, G.S.	Haversacks, O.S.	
	50 rounds.		90 rounds.					Mark						
	Mark													
	I.	II.	I.	II.										
									I.					II.
Section No. 1A.														
Billets, brown:—														
11½-inch × 1½-inch	...	...	...	1	...	...	...	...	...	...	...	...	...	...
5½ " × 1½ "	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3½ " × 1 "	...	...	...	...	...	...	...	...	...	2	...	...	...	...
Buckles, brass:—														
Bandolier { 90 rounds	...	...	4	..	...	...	...	...	...	...	...	...	...	...
50 "	...	4	...	...	...	...	...	...	...	...	...	...	...	...
1½-inch	...	5	5	...	5	...	...	...	...	...	...	...	...	...
Mess tin strap	...	...	...	...	...	...	...	...	...	...	...	4a	...	...
Strap, greatcoat	...	...	...	...	...	...	...	...	...	...	3	...	...	...
" shoulder, water bottle	...	...	...	...	...	...	...	...	...	...	4b	...	...	...
Waistbelt	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Buttons, horn, covers, mess-tin, D.S.	...	...	...	...	...	...	10	...	...	...	...	...	...	...
Canvas, drab, 24-inch yards	...	...	...	...	...	...	1½	...	...	...	...	...	...	...
Chapes, web, 2-inch, with buckle	...	...	...	...	...	...	...	...	...	...	...	...	6	...
" web, 1-inch, with 2 buckles	...	...	...	...	...	...	...	...	...	...	...	...	4	...
Clips, brass, carrier, greatcoat	...	...	...	...	...	8	...	...	...	...	...	...	...	...
Eyelets, brass	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hooks, brass, carrier, greatcoat:—														
Long bar	...	...	...	...	...	8	...	...	...	...	...	...	...	...
Short bar	...	...	...	...	...	4	...	...	...	...	...	...	...	...
Loops, brass:—														
1½ inch	...	...	...	...	...	...	...	3	...	...	...	...	...	...
1⅞ " × ⅞ -inch	...	...	...	...	...	...	...	...	3	...	...	...	...	...
1 "	...	...	...	...	...	2	...	...	...	...	...	...	...	...
⅞ "	...	...	...	...	...	...	...	...	...	...	2b	...	...	...
Loops, haversack	...	...	...	...	...	...	...	...	...	...	...	2	...	...

(a) For converted carriers.

(b) For Mark II carriers.

TABLE 1—continued. Material for repair of Bandolier Equipment, Pattern 1903, &c.

Description.	Annual supply for 100.												
	Bandolier equipment, pattern 1903.												
	Bandoliers.				Belts, waist.	Carriers, greatcoat.	Covers, mess-tin, D.S.	Pockets, cartridge, 15 rounds.	Straps, greatcoat.	Carriers, water bottle, with shoulder strap.	Haversacks, G.S.	Haversacks, O.S.	
	50 rounds.		90 rounds.										
	Mark		Mark										
	I.	II.	I.	II.									
I.													II.
Section No. 1A—continued.													
Loops, leather, brown:—													
1½-inch × 3¼-inch	...	...	...	...	5	...	4	...	...	...	...	...	...
1 " × 5 " "	...	...	...	...	...	...	...	...	...	...	...	...	...
1 " × 4 " "	...	5	5	5	5	...	...	...	...	...	...	...	...
Loops, leather, buff,													
1½-inch × 3¼-inch	...	...	...	...	...	...	4a	...	...	...	...	...	...
Rings, brass:—													
Carrier, water bottle	...	...	...	...	...	...	...	...	...	...	3	...	...
Cover, mess tin, D.S.	...	...	...	...	...	...	3	...	...	...	...	...	...
Rivets, copper, tinned,													
¾-inch × 11 S.W.G.	...	5	6	5	6	...	...	5	6	...	10	...	...
Slides, brass, carrier,													
greatcoat:—													
2-inch	...	...	...	...	...	4	...	...	...	...	...	2	...
1 " "	...	...	...	...	...	2	...	...	...	...	...	...	...
Straps, leather, brown:—													
Guard, ½-inch × 1½-inch	...	...	...	...	...	...	...	...	...	...	...	...	...
× 6-inch	...	10	6	10	10	...	...	...	...	...	...	...	...
Steadying, ½-inch ×	...	...	...	...	...	...	...	...	...	...	...	...	...
1½-inch	...	4	4	...	...	...	...	...	...	...	...	...	...
Studs, brass:—													
Bandoliers, 90 and 50	...	...	...	...	...	...	...	...	...	...	...	...	...
rounds	...	10	10	10	10	...	...	...	4	4	...	...	...
Haversack	...	...	...	...	...	...	...	...	...	...	...	8	...
Steadying strap, bandolier, 50 rounds	...	4	4	...	...	...	...	...	...	...	...	...	...
Tab, web, 1-inch, with													
brass tip, 7 inches	...	...	...	...	...	...	...	...	...	...	...	...	6
Thread, drab, No. 18 oz.	...	...	...	...	...	...	...	...	...	...	...	...	57
Thread, flax, drab, No. 35 oz.	...	...	...	...	...	1½	1	...	...	...	...	1	...
Tips, brass, 1-inch	...	...	...	...	...	...	...	...	...	...	...	...	3
Triangles, brass	...	...	4	...	4	...	...	...	...	...	...	...	...
Web, cotton, drab:—													
13-inch × 2-in. pieces	...	...	...	...	...	...	...	...	...	...	6	...	...
2 " " yards	...	...	...	...	...	20	...	...	...	...	...	7	...
1 " " "	...	...	...	...	...	2	½	...	...	...	...	...	...

(a) For covers fitted with buff loops.

PEACE ONLY.

Referred to in paragraph 413 (ii).

Description.	Annual supply for 100 water-bottles.
<i>Section No. 1A.</i>	
Covers, water bottle, enamelled, Mark VI ...	10
Stoppers, cork { Mark VI water bottle ...	10
{ cords	10

Referred to in paragraph 413 (i).

12 months' supply for 100.												
Description.	Attachments, brace.	Belts, waist.	Belts, waist, special.	Braces, with buckle.	Carriers, cartridge.	Carriers, intrenching tool.		Carriers, water bottle.	Frogs.	Haversacks.	Packs.	Straps, supporting.
						Head.	Heel.					
Section No. 1A.												
Billets—												
3-inch by 6½-inch ...	...	...	...	...	4	...	...	...	...	...	...	...
1-inch by 4-inch ...	...	...	...	...	...	3	...	...	...	...	...	...
Buckles, brass—												
3-inch ...	...	3	3	...	...	...	...	...	...	...	...	...
2-inch ...	...	4	4	5	2	...	...	4	...	4	...	...
1-inch ...	...	...	...	...	...	...	2	...	...	5	6	2
Chapes, web—												
2-inch, with buckle	...	...	4	...	...	4	...	...	...	...	...	...
1-inch—												
with 2 buckles ...	...	...	...	...	...	...	...	...	...	3	...	...
with 1 buckle ...	...	...	4	...	...	...	...	...	...	2	10	...
Eyelets, brass (a)	...	...	...	...	...	...	...	...	...	...	...	...
Fasteners, brass:—												
Top part ...	...	...	...	...	10	2	2	2	...	...	...	...
" head ...	...	...	...	...	10	2	2	2	...	...	...	...
Bottom part...	...	...	...	...	20	4	4	4	...	...	...	...
" washers	...	...	...	...	40	8	8	8	...	...	...	...
Flaps, pocket, carrier, cartridge, 75 rounds:—												
With top part of fastener	...	...	...	...	20	...	...	...	...	...	...	...
With bottom part of fastener and chape with	...	...	...	...	...	...	...	...	...	...	...	...
7-inch brass loop...	...	...	...	...	20	...	...	...	...	...	...	...

(a) $\frac{1}{2}$ oz. for 100 sets of equipment.

TABLE 3—continued. Material for Repair of Web Equipment.

Description.	12 months' supply for 100.									
	Attachments, brace.	Belts, waist.	Belts, waist, special.	Braces, with buckle.	Carriers, cartridge.	Carriers, intrenching tool.		Carriers, water bottle.	Frogs.	Haversacks.
						Head.	Heel.			
Section No. 1A—contd.										
Hooks, brass, with brass fitting	2	3	...	...	...	...	...	...	...	...
Hooks, double, brass, 3-inch	...	...	...	...	3	...	...	...	...	...
Rivets, brass (a)	...	...	...	...	...	...	...	...	...	...
Rivets, brass, washers (b)	...	...	...	...	...	...	...	...	...	...
Slides, brass, 3-inch	3	3	...	...	...	...	...	...	...	...
Tabs, web—										
2-inch, with brass tip and buckle—										
8½-inch	4	...	...	...	...	...	...	...	...	...
12½-inch	...	...	...	...	2	...	...	...	...	...
2-inch with brass tip—										
7½-inch	...	...	...	...	...	...	...	...	4	4
1-inch with brass tip—										
15½-inch	5	...	...	...	...	...	...	...	...	...
15-inch	...	...	...	...	2	...	...	...	...	...
10½-inch	...	...	...	...	...	...	...	...	4	4
7-inch	...	...	...	...	...	...	...	...	4	4
Tabs, cartridge, carrier, with top part of fastener...	...	...	...	...	25	...	...	...	...	...
Thread, drab—										
No. 18 (c)	...	...	...	...	...	...	...	...	...	...
No. 25 (d)	...	...	...	...	...	...	...	...	...	...
Tips, brass—										
3-inch	4	...	...	...	...	...	...	...	...	...
2-inch	8	...	8	4	...	...	...	...	4	8
1-inch	4	...	...	4	2	4	4	...	4	8
½-inch	...	...	...	8	...	...	...	...	...	...
Web, drab—										
2-inch yards	...	...	...	...	...	...	...	1	...	...
1½-inch	...	...	...	...	...	...	...	1½	...	...
1½-inch	...	...	...	...	...	...	...	1	...	...
1-inch	...	...	...	...	...	2	1½	1 (c)	...	1½

(a) 1½ oz. for 100 sets of equipment.

(b) 1 oz. for 100 sets of equipment.

(c) 2½ oz. for 100 sets of equipment.

(d) 2 oz. for 100 sets of equipment.

(e) For units in possession of patt. '88 scabbards only; for repair of top loops of frogs.

TABLE 4.—Composition for the preservation of brown leather
Accoutrements.*Referred to in paragraph 412.*54
Gen. No.
2903

Description.	12 months' supply for 100.	
<i>Section No. 1A.</i>		
Bandolier Equipment, pattern 1903 :—	lbs.	oz.
Bandoliers, 90 rounds	8	4
" 50 rounds	4	8
Belts, waist, leather	1	8
Pockets, cartridge, 15 rounds	—	12
Straps, great coat, leather	—	12
Miscellaneous Articles :—		
Aprons, leg, brown	11	10
Bandoliers, leather, 54 rounds, Hotchkiss		
Machine Gun	7	8
Belts, shoulder, sword, "Sam Browne"	3	12
Belts, waist, sword, "Sam Browne"	7	8
Belts, waist, brown, M.S. { S.S.	7	8

TABLE 5.—Tools for the repair of Web Equipment.
(*Referred to in para. 407.*)

Description of Stores.	Establishment of Unit.		A.O. 21 1920
	499 and under.	500 and over.	
<i>Section No. 7.</i>			
Awls :—			
Blades, garnishing, 2½-inch	2	4	
Handles, drawing	1	2	
Hammers, riveting, 8 oz.	1	2	
Knives, trimming	1	2	
Mallets, tinman's	1	1	
Needles, sewing, women's :—			
No. 1... .. packets	1	1	
No. 2... .. "	1	1	
Nippers, tinman's, large pairs	1	1	
Pliers, punch (a) "	1	1	
Punches, pin, ½-inch	1	1	
Scissors, laboratory pairs	1	1	
Sets, riveting	1	1	
<i>Section No. 13—C.</i>			
Tapes, chest measuring	1	1	
(a) Already allowed to Infantry battalions under Equipment Regulations, Part 2, Section I.			

APPENDIX XI.

*Referred to in paragraphs 145, 230 and 420.***MATERIALS FOR REPAIR OF HARNESS AND SADDLERY.**

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example:—

$$\begin{aligned} 20 \text{ sets} &= 40 \div 2 \text{ not } 4 \times 5. \\ 49 \text{ " } &= 40 + 8 \text{ " } 10 \times 5. \end{aligned}$$

A variation of two sets may be disregarded.

TABLE 1.—Materials for Repair of Harness and Saddlery. Peace only.

Additional issues will be made to regiments of Household Cavalry as detailed in E.R., Part 2, Section II.

Description.	12 Months' Supply.										Remarks.
	Saddlery, O. sets.	Harness. Single sets.		Saddlery. Universal. Sets.							
		5	8	25	40	6	15	40	100		
Articles common to all Patterns.											
<i>Section No. 3.</i>											
Wire, ordinary, copper, No. 7, S.W.G.	—	—	1	2	4	—	2	4	8		
(hard) oz.	—	—	1	1	3	5	1	2	5	12	
Zinc, alloy, for brazing oz.	—	—	1	1	3	5	1	2	5	12	
<i>Section No. 31 (Old Stores).</i>											
Blankets, saddle, cuttings... .. lbs.	—	—	1	2	3	3	1	1	3	8	

TABLE I—continued. Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.										Remarks.	
	Saddlery, Caps, & Sets.	Harness, Single sets.				Saddlery, Universal. Sets.						
		5	8	25	40	6	15	40	100			
Articles common to all Patterns—continued.												
Section No. 6a—continued.												
Hooks, curb, portmouth bit, reversible ...	1	1	1	5	8	1	2	9	20		Not for Household Cavalry.	
Links, brass, 1½-inch x ¼-inch ...	—	—	—	—	—	1	1	2	5		For nunnah pannel caps.	
Plates, brass, V-attachment ...	—	1	1	3	4	1	2	4	10			
Rings, iron, japanned, 1½-inch ...	—	—	—	1	2	—	1	2	3		For stable head collars, Mk. I.	
Rings, iron, japanned, 1½-inch ...	—	4	4	10	15	—	—	—	—		For breast collars.	
Rings, iron, No. 6 S.W.G. ...	—	—	—	—	—	2	3	6	15		For cases, horse shoe, with sword frog.	
Rings, iron, " 9 " ...	—	—	—	—	—	—	—	—	—		For V-girth attachments.	
Rings, iron, " 6 " ...	—	3	3	9	12	3	6	12	30		For stable head collars.	
Rings, iron, " 6 " ...	—	3	4	14	20	3	8	20	50		For stable head collars.	
Rings, iron, " 6 " ...	—	—	1	2	3	1	1	3	8			
Rings, iron, " 6 " ...	—	—	1	2	3	1	1	3	8			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—		As necessary.	
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—	—	—			
Rings, iron, " 6 " ...	—	—	—	—	—	—	—					

Straps { girth, V-attachment { releasable ...	—	2	4	12	18	3	7	18	45	
Studs, frogs, sword, saddle, $\frac{1}{16}$ -inch shank	—	2	2	8	12	—	—	—	—	
	—	1	1	3	5	1	3	7	16	For bags, saddle, ammunition, and cases, horse-shoe with sword frog.
Thread, flax, undyed	lbs.	$\frac{1}{2}$	$\frac{1}{2}$	2 $\frac{1}{2}$	4	$\frac{1}{2}$	$\frac{1}{2}$	2	5	
Web, hemp { 3-inch	yards	2	3	8	13	2	5	13	32	Straining web for Saddles, S.U.
{ 2 "	"	—	$\frac{1}{2}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	2	4 $\frac{1}{2}$	For horse brushes.
<i>Section No. 8A.</i>										
Twine { quilting ...	oz.	2	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
{ sail ...	"	—	1	1	2	4	1	2	4	For head ropes, parade and stable.
<i>Section No. 9A.</i>										
Beeswax ...	oz.	2	1	2	4	1	2	4	8	
Borax ...	"	—	1	3	5	1	2	5	12	
Glue, best town made	"	—	2	4	8	2	4	8	16	
Ink, marking, black, woollens	pints	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1	
Wax, black ...	lbs.	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	4	
<i>Section No. 10A.</i>										
Nails, steel, clout, flathead, fine, No. 90	oz.	—	1	2	3	6	—	—	—	
Screws, iron, { $\frac{1}{4}$ -inch, Gauge No. 10	...	—	2	2	3	5	2	5	12	
{ flathead	"	—	3	4	12	20	3	8	50	
Tacks, steel, cut, No. 197	oz.	—	3	4	9	20	3	8	20	

(a) $\frac{1}{2}$ oz. for every pair stuffed pannels in use.

TABLE 1—*continued*. Materials for Repair of Harness and Saddlery. Peace only.

De-scription.	12 Months' Supply.								Remarks.	
	Saddlery, O.H. cers. 6 sets.	Harness. Single sets.				Saddlery, Universal. Sets.				
		5	8	25	40	6	15	40		100

Articles common to all Patterns—*continued*.

Section No. 13c.		For nosebags.									
Canvas, sail, No. 3 ...	ins.	3	3	6	10	3	3	10	25		
Worsted, grey ...	oz.	2	2	4	7	2	3	7	16		
<i>Not in Vocabulary.</i>											
<i>Old Stores.</i>											
Linen { or cotton, old (for cleaning) lbs.		2½	4	12½	20	1½	3½	10	25		
old (for nosebags) ...	"	½	½	1½	2	½	1½	2	5		

Articles special to Saddlery, Officers.

Section No. 6B.

Basils , brown, strained	...	...	1½-inch ...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For head collars and surcings.
Buckles { brass, roller, double nickel, barred, 1½-inch " roller, single, 1-inch, barred ..	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For reins.
	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For off-shoe case.
	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For Mark II stirrup leathers.
	...	...	...	...	...	2	—	—	—	—	—	—	—	—	—	—	—	—	—	For girths.
Rings , brass { 1½-inch 1¼ "	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For head collars.
	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	" "
Saddletrees , flaps, officers	...	...	...	...	... pairs	1	—	—	—	—	—	—	—	—	—	—	—	—	—	" "
	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	Mark IV or V according to pattern of saddle in possession.
Skins , lamb, black	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	For head collars.
Squares , brass, 1½-inch	...	...	...	...	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
Thread , flax, yellow	...	...	...	...	... oz.	2	—	—	—	—	—	—	—	—	—	—	—	—	—	

EQ. R. (B 15178)T

Articles special to Harness, Shaft, Draught.

Section No. 5A.

Saddletrees { flaps, luggage	...	...	—	—	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—
seats, "	...	...	—	—	—	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Buckles , iron, { 1½ inch, bow leg	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
roller, single { 1½ "	...	...	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
straight leg	...	...	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	For 1½-inch backbands and tugs.

Section No. 6B.

Buckles , iron, { 1½ inch, bow leg	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
roller, single { 1½ "	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
straight leg	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

EQ. R. (B 15178)T

H 2

TABLE 1—*continued.* Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.								Remarks.
	Saddlery. Old cers. 6 sets.	Harness, single sets.		Saddlery. Universal. Sets.					
		5	8	25	40	6	15	40	

Articles special to Harness, Pole draught, G.S.

Attachments, { releasable {	neck piece	...	—	—	1	2	—	—	—	
	trace, wire, adjustable	...	—	—	1	1	—	—	—	
	trace, wire, long	...	—	—	2	3	—	—	—	
Buckles {	brass, bent heel	$1\frac{1}{2}$ -inch	—	—	1	2	—	—	—	For breechings.
		$1\frac{1}{4}$ "	—	—	1	2	—	—	—	For neckpieces.
		$1\frac{1}{4}$ "	—	—	1	2	—	—	—	For breechings, breast collars, &c.
Reins, {	nickel, single, 1 inch	...	—	—	1	2	—	—	—	For long reins.
	steel, 2-inch x 2-inch	...	—	—	—	4	—	—	—	Breast collar.
	hooks, trace, wire, short	...	—	—	1	2	—	—	—	For units equipped with short wire traces.

Section No. 6a.

TABLE 1—continued. Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.								Remarks.	
	Saddlery, 6 sets.	Harness, Single sets.				Saddlery, Universal. Sets.				
		5	8	25	40	6	15	40		100
Miscellaneous.										
<i>Section No. 6a.</i>	...	—	—	—	—	—	—	—	—	1 for every 2 neck collars in use.
Basils, brown, unstrained ...	...	—	—	—	—	—	—	—	—	10 per cent. for cavalry rifle buckets on charge.
Buckles { brass, bent heel, 1-inch	...	—	—	—	—	—	—	—	—	For Lancer regiments.
iron, roller, single { $\frac{2}{3}$ -inch ...	...	—	—	—	—	1	2	6	12	
Dees, brass, 1-inch $\times \frac{1}{2}$ -inch ...	...	1	1	2	4	—	2	4	8	
Rings, iron, $1\frac{1}{2}$ -inch, stout ...	...	—	—	—	—	—	—	—	—	5 per cent. for cavalry rifle buckets on charge.
Steel-pieces... ..	...	—	—	—	—	—	—	—	—	1 for every 25 pairs saddlery traces in use.
Thread { black, 3-cord ...	oz.	—	—	—	—	—	—	—	—	20 per cent. for cavalry rifle buckets on charge.
whited brown ...	...	—	—	—	—	—	—	—	12(b)	
<i>Section No. 7.</i>										
Needles { harness ...	...	1	2	6	10	1	4	10	25	1 oz. for every 5 pairs hair pannels and $\frac{1}{4}$ oz. for every 5 lambskins.
saddlers, sewing ...	...	1	2	5	8	1	3	8	20	
<i>Section No. 9a.</i>										
Ink, marking, black, woollens ...	...	—	—	—	—	—	—	—	—	$\frac{1}{4}$ pint for every 150 blankets.

(a) Except Household Cavalry.

(b) Life Guards and Royal Horse Guards only.

TABLE 2.—Material for repair of Harness, Saddlery and Packsaddlery. (War only.)

Description.	Saddlery, universal.		Harness, P.D., G.S.		Packsaddlery.					Remarks.			
	10 sets.	25 sets.	50 sets.	25 sets.	50 sets.	25 sets.	50 sets.	Artillery, 25 sets.	G.S., 25 sets.		M.G. Cavalry, 12 sets.	M.G. Infantry, 25 sets.	M.G. Hotchkiss, 12 sets.
Section No. 6n.													
Attachments, releasable, small	...	...	...	...	...	...	...	...	...	...	...	...	
Basils, brown, unrestrained	...	...	...	...	...	...	...	...	...	...	...	...	
{ Iron, brass	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
{ Iron, brass	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
{ nickel	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
iron, black, japanned, triangular	...	...	...	...	...	...	...	...	...	...	...	...	
Chains, curb	...	...	...	...	...	...	...	...	...	...	...	...	
Cloth, collar, white	...	...	...	...	...	...	...	...	...	...	...	...	
Cord { cotton	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
Dees, brass, 1-inch x 1/2-inch	...	...	...	...	...	...	...	...	...	...	...	...	
Felt, brown, 60 inches wide	...	...	...	...	...	...	...	...	...	...	...	...	
Hair, horse, saddlery	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
Hides, brown { backs, collar	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
Hooks, curb, portmouth bit, reversible	...	...	...	...	...	...	...	...	...	...	...	...	
Links cranked, sliding	...	...	...	...	...	...	...	...	...	...	...	...	

TABLE 2—continued. Material for repair of Harness, Saddlery and Packsaddlery. (War only.)

Description.	Saddlery, universal.		Harness, P.D., G.S.		Packsaddlery.				Remarks.					
	10 sets.	25 sets.	50 sets.	25 sets.	50 sets.	25 sets.	50 sets.	Artillery, 25 sets.		G.S., 25 sets.	M.G., Cavalry, 12 sets.	M.G., Infantry, 25 sets.	M.G., Hotchkiss, 12 sets.	
														Wheel.	Lead.
<i>Section No. 6A.—continued.</i>														
Rivets, copper tinned, { " 6 " 12	...	...	...	...	...	...	...	...	...	...	...	...	...	
Saddletrees, bars, side, shaped, (near universal S.A., patt. '02 { off	...	...	...	...	...	...	...	...	...	...	...	...	...	
Rivets, iron, 2-inch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Straps { girth, V attachment { releasable ...	1	1	3	1	3	1	10	3	...	...	...	...	...	
Thread { flax, undyed ... { white-brown ...	oz. 1	3	6	3	6	3	1	2	...	...	...	...	...	
Washers { No. 6 S.W.G. ... { " 12 " ...	2	2	2	2	2	2	4	8	...	...	...	...	...	
<i>Section No. 8A.</i>														
Asbestos, cloth, 1-inch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Twine, quilting ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Section No. 9A.</i>														
Beeswax ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Wax, black ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Section No. 10A.</i>														
Tacks, steel, cut, No. 197 ...	1	1	1	1	1	1	2	1	2	2	...	...	...	

TABLE 3.—Materials for Preservation of Harness, Saddlery, and Packsaddlery.

Description.	Peace (12 months' supply).				War.	
	Harness (for each single set), P.D., G.S., Shaft Draught, and G.S.	Pack- saddlery (for each set).	Saddlery (for each set).	Harness (for each double set).	Pack- saddlery (for each set).	Saddlery (for each set).
<i>Section No. 9A.</i>						
Dubbing ...	...	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Soap { soft (a) ...	... lbs.	6	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
yellow ...	... lbs. ... bars	$2\frac{1}{2}$ (b)	$\frac{1}{2}$ $\frac{1}{2}$ $2\frac{1}{2}$ (b)	$\frac{1}{2}$ — —	$\frac{1}{2}$ — —	$\frac{1}{2}$ — —

(a) Half a bar of yellow soap may be drawn in lieu of 1-lb. soft soap, but such an exchange not to exceed half the allowance. Soft soap must not be drawn in lieu of yellow soap, as the excessive use of the former is detrimental to the leather.

(b) 3½ bars for each set for R.F.A. Training Brigades.

N.B.—The above quantities may be increased ½th for Colonial stations, if found necessary, by order of the G.O.C.

TABLE 4.

Material for Repair

						Peace—12					
						Saddle-					
Description.						Officers.		Drivers.			Item.
						<u>5</u>		5	13	25		40
<i>Section No. 3.</i>											
Wire, ordinary, iron, No. 7 S.W.G.											
(soft, for rivets) lbs.						$\frac{1}{8}$	—	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	1
<i>Section No. 6B.</i>											
Saddletrees	{	arches, iron, or steel { front ...	—	—	—	—	—	—	—	—	2
		{ hind ...	—	—	—	—	—	—	—	—	3
		bars, side, shaped { near... ..	—	—	—	—	—	—	—	—	4
		{ off	—	—	—	—	—	—	—	—	5
		decs, side-bar brass	—	—	—	—	—	—	—	—	6
		plates { side-bar brass	—	—	—	—	—	—	—	—	7
		{ with dees, luggage	—	—	—	—	—	—	—	—	8
		rivets, iron, 2-inch	—	3	8	15	24	9			
		staples { flank luggage	—	—	—	—	—	10			
{	girth	—	—	—	—	—	11				
		wallet	1	—	—	—	—	12			
		troughs, backband	—	—	—	—	—	13			
<i>Section No. 7.</i>											
Pencils, carpenters						—	—	1	1	1	14
<i>Section No. 9A.</i>											
Oil, linseed, raw pints						—	—	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	15
Paper, glass, No. 2 sheets						—	—	1	1	2	16
Varnish { Japan, black pints						—	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	17
{ shellac "						$\frac{1}{8}$	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	18
<i>Section No. 10A.</i>											
Screws, brass, flat head, $\frac{1}{4}$-inch,											
gauge No. 6						8	—	—	—	—	19

of Saddletrees.

Months' Supply.								Remarks.
trees.								
Item.	Luggage.			Universal.				
	5	13	25	6	15	40	100	
1	—	$\frac{1}{2}$	$\frac{1}{4}$	—	$\frac{1}{2}$	$\frac{1}{2}$	1	
2	—	1	1	—	1	2	3	
3	—	1	1	—	1	1	2	
4	—	1	2	—	1	3	6	
5	—	1	2	—	1	3	6	
6	—	—	—	1	2	4	10	
7	—	—	—	—	2	6	12	
8	1	3	5	—	—	—	—	
9	3	8	15	3	9	24	60	
10	1	2	3	—	—	—	—	
11	—	1	1	—	—	—	—	
12	—	—	—	—	—	—	—	
13	—	1	1	—	—	—	—	
14	—	—	1	—	1	1	1	
15	—	—	—	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
16	—	—	1	—	1	2	4	
17	—	$\frac{1}{2}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
18	—	$\frac{1}{2}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
19	—	—	—	—	—	—	—	

TABLE 5—Materials for Repair of Packsaddlery.

Description.	Peace. — 12 Months' Supply.			Remarks.
	Packsaddlery Sets.			
	Arty.	G.S.	M.G. Cavy.	
	10	10	10	
<i>Section No. 2A.</i>				
Tent, duck yards	2½	2½	4	
<i>Section No. 5B.</i>				
Packsaddlery, G.S.: —				
Trees, { arches, { front ...	—	1	—	
adjustable { steel { hind ...	—	1	—	
{ bars, side, { near ...	—	1	1	
{ shaped { off ...	—	1	1	
Packsaddlery, M.G., 303-inch—				
Trees, adjustable, Vickers gun, cavalry, Mark II—				
Arches, steel { front ...	—	—	1	
{ hind ...	—	—	1	
<i>Section No. 6B.</i>				
Attachments, releasable, small ...	—	—	1	
Basils, brown, unstrained ...	½	½	½	
Buckles, iron, black japanned, roller, single, 1½-inch, bowleg ...	1	—	—	
Buckles, iron, tinned—				
Roller { double { 1½-inch ...	—	1	1	
{ 1 " ...	—	1	1	
{ 3 " ...	—	1	—	
{ single { 1½ " ...	—	1	1	
{ 1 " ...	—	1	1	
{ ¾ " ...	—	1	1	
Buckles, iron, triangular, black japanned	—	—	1	
Cloth, collar, white yards	2½	—	—	
Felt, brown, 60 inches wide... ins.	½	½	½	
Flock lbs.	3(a)	—	—	
Hair, horse, saddlery "	2(b)	2	2	
Hides, brown { backs, collar ...	¾	¾	¾	
{ cloak ...	¾	¾	¾	
Links, cranked, sliding ...	—	—	2	
(a) Only to be de- manded for Pack Artillery when pannels are stuffed with flock.				
(b) Only to be de- manded for Pack Artillery when pannels are stuffed with horsehair.				

(a) Only to be demanded for Pack Artillery when pannels are stuffed with flock.

(b) Only to be demanded for Pack Artillery when pannels are stuffed with horsehair.

TABLE 5—continued. Materials for Repair of Packsaddlery.

Description.	Peace. — 12 Months' Supply.			Remarks.
	Packsaddlery Sets.			
	Arty.	G.S.	M.G. Cavy.	
	10	10	10	
<i>Section No. 6B—continued.</i>				
Rings, iron, tinned { 1½-inch ...	1	1	1	
{ 1½ " ...	1	1	1	
Rivets, copper, tinned, ½-inch, No. 6 S.W.G. ...	10	10	10	
Rivets, iron, 2-inch ...	—	8	8	
Squares, iron, tinned ...	1	1	1	
Stops, iron, tinned ...	1	1	1	
Thread { flax, undyed ... lbs:	½	½	½	
{ whited brown ... "	½	½	½	
Washers, No. 6 S.W.G. ...	10	10	10	
Web, hemp { 2-inch ... yards	2½	2½	2½	For backs of horse brushes.
{ 1½ " thin ... "	2	2	2	For backs of curry combs.
Web, worsted, tanned, 4-inch ...	3½	3½	3½	For worsted web girths.
<i>Section No. 8A.</i>				
Asbestos, cloth, ½-inch ... lb.	—	—	2	
Twine, quilting ... "	4	4	4	
<i>Section No. 9A.</i>				
Beeswax ... oz.	2	2	2	
Wax, black ... oz.	2	2	2	
<i>Section No. 13C.</i>				
Dowels, 27-inch, tan ... yards	—	2½	2½	
<i>Not in Vocabulary.</i>				
Linen or cotton, old (for cleaning) lbs.	2½	2½	2½	

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TABLE 6.—Material for Repair and Preservation of
Equitation Articles.

Description.	Peace only. 12 months' supply.
<i>Section No. 6B.</i>	
Cord , whip oz.	3
<i>Section No. 9A.</i>	
Soap , soft (a) lbs.	3
<i>Not in Vocabulary.</i>	
Linen or cotton, old lbs.	$\frac{1}{2}$

For 50 horses
or
under.

(a) See note (a) on page 233.

N.B.—No other materials than those given in this table are considered necessary, the materials supplied for repairing the harness and saddlery generally being sufficient for casual repairs to the equitation articles.

To preserve the full strength, and to prevent hardness of the leather parts of the articles, the instructions given in Appendix XIV should be carefully followed.

APPENDIX XII.

A.O. 284
1921DETAILS OF SETS OF HARNESS, SADDLERY, AND
PACKSADDLERY.

TABLE 1.—Saddlery, Officers.

(Referred to in paragraph 222.)

Description.	No. for each set.	Remarks.	
<i>Section No. 2A.</i>			
Ropes , head, cotton, with leather billet	1	Peace only ; for camp and war the hemp pattern will be issued as part of camp equipment.	
<i>Section No. 6A.</i>			
SADDLERY, OFFICERS.			
Bits , bridoon, with reins... ..	1	5 per cent. may be issued.	
Bits , portsmouth, reversible :—			
Heads, bridle	1		
Cases , horse- { near, Mark III ...	1		
shoe { off, Mark II ...	1		
Collars , head, Mark II	1		
Cruppers	—		
Girths , web, Mark III ... pairs	1		
Leathers , stirrup	2		
Pannels , pattern 1915 ... pairs	1		
Reins , portsmouth bit	1	Only with saddles, patt. 1915.	
Saddles (Mark V or pattern 1915)	1 (a)		
		Mark V is complete with pannels.	

(a) Mark V for Cavalry only at present.

TABLE 1—*continued.* Saddlery, Officers.

Description.	No. for each set.	Remarks.
<i>Section No. 6A—continued.</i>		
SADDLERY, OFFICERS.		
Skins {	{ lamb, Mark III	1 (a) For Dragoon Guards, Dragoons, Lancers, 14th Hussars, R.A. (except Garrison and Mountain Artillery), R.E., R.C.S., Rifles, and R.A.S.C. Only for full dress uniform, not service dress.
	{ leopard	
Straps {	{ cloak { and wallet ...	2
	{ centre ...	1
	{ extending picket peg strap	1
Surcingle s, leather		1
Wallets , Mark IV ... pairs		1
SADDLERY, UNIVERSAL.		
Bits , portmouth, reversible		1
Blankets , saddle... ..		1
Numnahs , Mark VI		1
Stirrups		2
Straps {	baggage	3
	{ sword, picket peg	1

(a) Peace only.

TABLE 2.—Saddlery, Household Cavalry.

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Description.	No. for each set.	Remarks.
<i>Section No. 6A.</i>		
SADDLERY, HOUSEHOLD CAVALRY.		
Bits { bridoon, with head and reins portmouth	1(a) 1(a)	10 per cent. "high port" bits may be drawn if required.
Breastplates	1	
Chains, collar	1(a)	
Cheek-pieces	2(a)	
Collars, head, parade	1(a)	
Cruppers	1	
Frogs, sword, saddle	1	
Girths, web	1	
Head-pieces	1(a)	
Ornaments, stirrup leather	2(a)	
Reins, portmouth bit	1(a)	
Skins { lamb, white sheep, black	1(a) 1(a)	Life Guards. Life Guards and Royal Horse Guards.
Straps { frog, securing sword shoe-case	1 1	
SADDLERY, UNIVERSAL.		
Bits, portmouth, reversible	1(b)	
Heads, bridle	1(b)	
Blankets, saddle	1	
Buckets { lance rifle, cavalry	— —	2 for each exercise lance. 1 for each N.C.O. and man armed with a rifle.
Cases, horseshoe, saddlery, pattern '84	1	
Collars, head	1(b)	
Girths, cord	—	10 per cent.
Leathers, stirrup	2	
Martingales, breastplate	—	5 per cent. Peace only.

(a) Peace only.

(b) War only.

TABLE 2—continued. Saddlery, Household Cavalry.

Description.	No. for each set.	Remarks.
<i>Section No. 6A—contd.</i>		
SADDLERY, UNIVERSAL.		
Pannels , numnah ... pairs	1	1 for each lance bucket.
Reins , bit	2(<i>b</i>)	
Saddles , steel arch	1	
Stirrups	2	
{ baggage	3	
{ cloak and wallet	2(<i>a</i>)	
Straps { cloak, centre	1(<i>a</i>)	
{ lance bucket	—	
{ sword, picket peg	1	
Surcingles , leather	1	
Wallets , Mark III, pairs	1(<i>a</i>)	

(a) Peace only.*(b)* War only.

TABLE 3.—Saddlery, Universal.

Description.	No. for each set.	Remarks.	A.O. 234 1921
<i>Section No. 2A.</i>			
Ropes , head, hemp, with ring, Mark IV	1	Peace only. Issued as part of camp equipment for war.	
<i>Section No. 6A.</i>			
SADDLERY, UNIVERSAL.			
Bits , portmouth, revers- ible	1		
Heads , bridle	1		
Blankets , saddle	1		
Breastplates , patt. '84 ...	—	10 per cent. of saddles for cavalry. Other units when required.	
Buckets {	lance	2 for each set of saddlery for Lancer regiments. Other cavalry units 2 for each exercise lance.	
	rifle, cavalry, Mark II	Cavalry, R.E., R.C.S., and R.A.S.C., 1 for each N.C.O. and man (mounted) armed with a rifle. R.A., as ordered. Infantry, 1 for each transport serjeant.	
	signalling flag ...	As ordered.	
	tool	Cavalry, as ordered. Field Squadrons and Field Troops R.E., 1 for each set of saddlery, except staff-serjeants and trumpeters.	A.O. 414 1922
Cases , horse-shoe, with sword frog, Mark II ...	1	Except R.A., unless armed with the cavalry sword.	
Collars , head, Mark IV ...	1		
Cruppers , saddlery ...	—	5 per cent. of saddles.	
Girths , {	cord	10 per cent. for cavalry.	
	leather, pattern '84 pieces, extending (Sec. 5A)	1	
Leathers , stirrup	2	5 per cent. of girths.	

TABLE 3—continued. Saddlery, Universal.

Description.	No. for each set.	Remarks.
<i>Section No. 6A—contd.</i> SADDLERY, UNIVERSAL.		
Martingales , breastplate ...	—	5 per cent. for cavalry. Peace only.
Pannels , numnah, Mark III pairs ...	1	
Reins , bit ...	2	
Saddles , steel arch ...	1	
Stirrups ...	2	
Straps {	baggage ...	3
	baggage and lance	1
	cloak and wallet	2 (a)
	cloak centre	1 (a)
	lance bucket ...	—
	sword, picket peg ...	—
Surcingles , leather... ..	1	Lancer regiments, 2 only.
" " straps,		Lancer regiments only.
extending	—	1 for each lance bucket.
Wallets , Mark III pairs ...	1 (a)	1 for each man armed with a cavalry sword, except R.A., R.E. and Royal Corps of Signals.

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Cavy.
1592.

(a) Cavalry regiments, war only,

TABLE 4.—Harness, Pole Draught, G.S.

Description.	No. for each set.		Remarks.
	Near.	Off.	
Section No. 2A.			
Ropes, head, hemp, with ring, Mark IV	1	1	Peace only. Issued as part of camp equipment for war.
Section No. 5A.			
HARNESS, POLE DRAUGHT, G.S.			
Breechings {	1	1	Wheel only, except heavy draught.
	1	1	Wheel only, heavy draught.
	—	—	{ 2 for each breeching for 20 per cent. light and 10 per cent. heavy draught.
Collars, breast, Mark III ...	1	1	
Leggings, drivers ...	1	—	
Neckpieces, pole-bar ...	1	1	Wheel only.
Pads { collar, Mark II ...	1	1	
luggage, R.H.A. ...	—	1	R.H.A. only.
Pannels, luggage pad, R.H.A. pairs	—	1	R.H.A. only.
Reins { bearing	1	1	Or reins, bit (Saddlery, Universal).
	—	—	1 for each G.S., G.S. R.E., and ambulance wagon, peace and war.
Rings, rein, driving	2	2	Wheel only when long driving reins are used.
Straps { collar pad	2	2	
	1	1	Wheel only.
	1	1	Lead and centre only.
	1	1	
Traces, { adjustable pairs	1	1	Wheel only.
	1	1	Lead and centre only.
	1	1	Lead and centre only.
	1	1	Wheel gun sets of medium batteries only, in addition to adjustable wire traces.
Tugs, neck-piece	1	1	Wheel only.
Whips { drivers	1	—	
	—	—	1 for each set of driving reins.

(a) Also suitable for extending "neckpieces, pole-bar," if required.

TABLE 4—continued. Harness, Pole Draught, G.S.

Description.	No. for each set.		Remarks.
	Near.	Off.	
Section No. 6A.			
SADDLERY, UNIVERSAL.			
Bits, portmouth, reversible ...	1	1	Except when bits, snaffle, van, are allowed.
Heads, bridle ...	1	1	
Bits, snaffle, van (Sec. 5A) ...	1	1	Heavy draught only, except gun teams medium artillery.
Blankets, saddle ...	1	—	
Collars, head, Mark IV ...	1	1	
Girths { leather, pattern '84 pieces, extending (Sec. 5A) ...	1	—	
	—	—	Heavy draught 50 per cent. and light draught 10 per cent. of girths.
Leathers, stirrup ...	2	—	
Pannels, numnah, Mark III, pairs	1	—	} Or "Saddles, drivers" and "Pannels, numnah, drivers" (Harness, P.D., G.S.).
Saddles, steel arch ...	1	—	
Stirrups ...	2	—	
Straps, baggage ...	3	—	
Surcingles, leather ...	1	—	
Straps, extending (a) ...	—	—	Heavy draught 50 per cent. and light draught 10 per cent. of surcingles.

(a) Also suitable for extending "neck straps," if required.

TABLE 5.—Harness, Shaft Draught.

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1921

Description	No. for each set.		Remarks.
	Near.	Off.	
Section No. 2A.			
Ropes, head, hemp, with ring, Mark IV	1	1	Peace only. Issued as part of camp equipment for war.
Section No. 5A.			
HARNESS, POLE DRAUGHT, G.S.			
Breechings { large	1	1	Except heavy draught.
{ straps, extending (a)	1	1	Heavy draught only.
Collars, breast, Mark III	1	1	2 for each breeching for 20 per cent. light and 10 per cent. heavy draught.
Leggings, drivers	1	—	
Pads, collar, Mark II	1	1	
Reins, bearing	1	1	Or reins, bit (Saddlery, Universal).
Reins, driving, long sets	—	1(c)	
Rings, rein, driving	2(c)	2(c)	
Straps { collar pad	2	2	
{ hip, long, wheel ... pairs	1	1	
{ neck	1	1	
Traces, wire, adjustable ... pairs	1	1	
Whips { drivers	1	—	
{ driving	—	1(c)	
HARNESS, SHAFT DRAUGHT.			
Bands, back, 1½ inch	—	1	
Girths, luggage	—	1	
Numnahs, felt, luggage	—	1	
Pannels, numnah, luggage ... pairs	—	1	
Reins, side	—	1	
Saddles, I.A., luggage, large	—	1	
Straps, girth	—	4	
Tugs, backband, 1½ inch	—	2	
Section No. 6A.			
SADDLERY, UNIVERSAL.			
Bits, portmouth, reversible	1	1	Except heavy draught.
Heads, bridle	1	1	
Bits, snaffle, van (Sec. 5A)	1	1	Heavy draught only.
Blankets, saddle	1	—	
Collars, head, Mark IV	1	1	
Girths { leather, pattern '84	1	—	
{ pieces, extending (Sec. 5A)	—	—	Heavy draught 50 per cent. and light draught 10 per cent. of girths.
Leathers, stirrup	2	—	
Pannels, numnah, Mark III pairs	1	—	Or "Saddles, drivers," and "Pannels, numnah, drivers" (Harness, P.D., G.S.).
Saddles, steel arch	1	—	
Stirrups	2	—	
Straps, baggage	3	3	
Surcingles, leather	1	1	
Straps, extending (b)	—	—	Heavy draught 50 per cent. and light draught 10 per cent. of surcingles.

(a) Also suitable for extending "neckpieces, pole bar," if required.

(b) Also suitable for extending "neck straps" if required.

(c) Peace and War. Not allowed when the vehicle is drawn by 2 animals working side by side.

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1921**TABLE 6.—Packsaddlery, General Service, with tree, adjustable.**

Description.	No. for each set.	Remarks.
<i>Section No. 5B.</i>		
PACKSADDLERY, GENERAL SERVICE.		
Bags , intrenching tool	1	When authorized.
Bars , hanging, Mark II	2	When authorized.
Bits , bridoon	1	
Breechings , Mark V	1	
Cases , horse shoe	1	
Chains , collar, G.S., Mark IV	1	
Collars {	breast, Mark V	1
	head, Mark IV	1
Covers , 6-feet x 6-feet, G.S.	1	
Cruppers , Mark V	1	
Girths {	leather	1
	steadying, worsted	1
	Mark V (b)	2
Pannels , Mark V	pairs 1	
Reins , bridoon (a)	1	
Ropes , baggage	pairs 2	
Straps , girth, Mark II	4	
Surcingles , Mark III	1	
Trees , adjustable	1	

(a) Reins, bit (universal saddlery) will be issued to cavalry, and reins, leading (packsaddlery, artillery), to pack artillery.

(b) Tanned worsted girths only will be issued to cavalry.

TABLE 7.—Packsaddlery, Machine Gun, .303-inch Hotchkiss.

Description.	No. for each Gun Set.	No. for each Ammn. Set.
<i>Section No. 2A.</i>		
Ropes , head, hemp, with ring, Mark IV	1	1
<i>Section No. 5B.</i>		
PACKSADDLERY, GENERAL SERVICE		
Bits , bridoon	1	1
Breechings , Mark V	1	1
Cases , horse-shoe	1	1
Collars { breast, Mark V	1	1
{ head, Mark IV	1	1
Cruppers , Mark V	1	1
Girths , leather	1	1
Straps , girth, Mark II	4	4
PACKSADDLERY, MACHINE GUN, .303-INCH.		
Caps , shovel, Hotchkiss	1 (d)	—
Carriers , ammunition, Hotchkiss	4	6
{ retaining, 3-carrier	2	4
{ " 1-carrier	2	—
{ handle, releasable	1	2
Cases , spare barrel, Hotchkiss, Mark III	1 (b)	—
Covers , gun, Hotchkiss	1	—
Girths , Mark V, Hotchkiss (a)	2	2
Hangers , gun, sling, Cavalry	1	—
Pannels , Hotchkiss pairs	1	1
Racks , ammunition, Hotchkiss	1	2
Straps , detachable, pick and helve	2 (d)	—
Straps , detachable, shovel	2 (d)	—
Straps , suspending, shoe-case	1 (b)	—
Trees , { Vickers gun, Cavalry, Mark II	1	1 (c)
adjustable { Vickers gun, Cavalry, Mark II—rests	1	—
<i>Section No. 6A.</i>		
SADDLERY, UNIVERSAL.		
Reins , bit	1	1

(a) Will be replaced by "Packsaddlery, G.S., Girths, Mark V" when stock is used up.

(b) Pack Artillery Units only.

(c) After stock of "Trees, adjustable, Ammunition, Hotchkiss" is used up with ammunition sets.

(d) Except Pack Artillery Units.

TABLE 8.—Packsaddlery, Machine Gun, .303-inch Vickers (Cavalry).

Description.	Gun set.	1st Ammu- nition set.	2nd Ammu- nition set.
<i>Section No. 2A.</i>			
Ropes, head, hemp, with ring, Mark IV ...	1	1	1
<i>Section No. 5B.</i>			
PACKSADDLERY, GENERAL SERVICE.			
Bits, bridoon	1	1	1
Breechings, Mark V	1	1	1
Collars { breast, Mark V	1	1	1
{ head, Mark IV	1	1	1
Cruppers, Mark V	1	1	1
Girths { leather	—	1	1
{ Mark V	2	2	2
Pannels, Mark V	1	1	1
Straps, girth, Mark II	4.	4	4
PACKSADDLERY, MACHINE GUN, .303-INCH.			
Boxes, water	—	1	—
Caps, shovel, Mark II*	—	—	2(c)
Cases, horse shoe, modified	1	1	1
Hangers { gun, sling, cavalry	1	—	—
{ tripod, sling, cavalry	1	—	—
Racks, boxes, ammunition in belts, Mark III	—	2	2
Slings, boxes, ammunition in belt, cavalry	1	—	—
Sticks, leading	1	—	—
Straps { detachable, pick and helve	—	—	2(c)
{ " shovel	—	—	2(c)
{ suspending, shoecase	1	—	1
Trees { adjustable, Vickers gun, cavalry,	1	1(a)	1(a)
{ Mark II	—	1(b)	1(b)
{ adjustable, Vickers gun, cavalry,	—	—	—
{ Mark II, rests	—	—	—
<i>Section No. 6A.</i>			
SADDLERY, UNIVERSAL.			
Reins, bit	1	1	1

(a) Without gun rests.

(b) Ready for affixing regimentally to packsaddle tree, if and when required.

(c) May be issued to Cavalry regiments for use with 1st ammunition sets for training during peace.

TABLE 9.—Equitation Articles.*(Referred to in paragraph 231.)*

Description.	No. for each set.	Remarks.
<i>Section No. 5A.</i>		
MISCELLANEOUS ARTICLES.		
Bridles { cord, breaking ... 2 { bits ... 1 mouthng { heads, ... bridle ... 1 reins ... 1 snaffle 4		
Caps, knee, horse... ... pairs 2		
Cavisons 1		
Cruppers, breaking 1		
Girths, leather, breaking 1		
Pads, driving, breaking 1		Rollers, breaking, will be issued in lieu until stock is exhausted.
Reins { bearing, breaking ... 2 cord, driving, breaking... 2 rubber 2 running, riding 4 web, driving, breaking ... 2		
Straps, { long 2 throwing { short 2		
Whips { hand 2 longeing 1		

APPENDIX XIII. -

*Referred to in paragraph 166.***INSTRUCTIONS RELATING TO HARNESS AND SADDLERY
STORED WITH MOBILIZATION EQUIPMENTS.**

1. The following articles will be stored in accordance with the scale detailed below :—

Description.	Percentages of sizes for—					
	Saddlery, universal.			Harness.		
	Cavalry.	Royal Horse Artillery.	Other units.	Royal Artillery (except medium).	Medium Artillery.	Other units.
Section No. 5A.						
Pads, collar :—						
Large	—	—	—	—	100	—
Small	—	—	—	100	—	100
Section No. 6A.						
Bits, portmouth, reversible :—						
Large	30	50	50	80	100	100
Medium	60	50	50	20	—	—
Small	10	—	—	—	—	—
Bits, portmouth, reversible :—						
Heads, bridle :—						
Extra large	—	—	—	—	50	—
Large	70	90	90	90	50	90
Small	30	10	10	10	—	10
Collars, head :—						
Special large	—	—	—	—	30	—
Extra large	—	—	—	—	50	—
Large	70	90	90	90	20	90
Small	30	10	10	10	—	10
Girths, leather, pattern '84 :—						
Large	—	30	30	40	88	70
Medium	100	70	70	60	12	30
Leathers, stirrup :—						
Long	60	60	60	10	10	10
Short	40	40	40	90	90	90
Saddles, universal, steel arch :—						
Large	10	30	40	100	100	100
Medium	90	70	60	—	—	—
Surcingle, leather :—						
Large	100	100	100	100	100	100

Stirrups.

2. Stirrups will be all large size.

Snaffle Van Bits.

3. The snaffle van bit is a strong double ring pattern bit with twisted mouthpiece, for use with horses until they become accustomed to the service bit.

Straps, Extending Breeching.

4. These straps are $1\frac{1}{2}$ -inches in width and $13\frac{1}{2}$ -inches in length, and are fitted with a $1\frac{1}{2}$ -inch buckle to take the breeching strap. Breechings generally require extension when used with heavy van horses, and in such cases two extending straps will be used—one on each side to allow the seat of the breeching and the hip straps to work evenly. These straps are also suitable for extending the "neckpiece, pole bar."

Girths, Pieces, Extending.

5. The extending piece is 12-inches in length, fitted with two 1-inch buckles, and split into two 1-inch straps to buckle into the girth. It can be used with universal saddlery girths or with luggage girths.

Surcingles, Leather—Straps, Extending.

6. The strap for extending the surcingle is 13 inches in length, fitted at one end with a buckle and suitably punched at the other end. These straps can also be used for extending "straps, neck," or "straps, hip, long, wheel."
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APPENDIX XIV.

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1921**INSTRUCTIONS FOR THE CARE AND PRESERVATION OF
HARNESS, SADDLERY, AND PACKSADDLERY.***(Referred to in paras. 165 and 423.)***GENERAL.**

1. Leather used in the manufacture of harness and saddlery is of two general descriptions :—

Crop Leather.—No grease is used in the making, and it is intended for use where a considerable amount of stiffness is necessary as in a rifle bucket or the seats and flaps of saddles.

Curried Leather.—Produced by introducing grease composed of cod oil and tallow into the fibres of the leather after tanning so as to make it pliable. The various descriptions of this leather are known as “heavy,” “collar,” “bridle,” “light hide,” “shoulders,” and “cloak hide.” By far the greater quantity of leather used in the manufacture of harness and saddlery is curried.

2. Blacksaddlery leather only differs from brown in that the upper surface is dyed black.

3. In both crop and curried leather the smooth upper surface from which the hair has been removed is known as the “grain,” the under surface as the “flesh.”

Harness, Saddlery, or Packsaddlery in Storehouses.

4. It is most important that storehouses should be dry and well ventilated.

Leather becomes mouldy (mildewed) if stacked in a damp state, or if stored in damp or unventilated premises, and if not attended to the “grain” is affected. Mould can be removed by wiping or brushing off, and the ill-effects if taken in time can be remedied by re-treatment with dubbing or tallow.

The temperature of a storehouse should be kept at about 60 degrees Fahr.

5. Leather stored in a draught or exposed to excessive light deteriorates.

The frames in which harness, saddlery or packsaddlery is stored should be provided with canvas as curtains and top cover. This will shield the leather from sun and excessive light, and also prevent the accumulation of dust.

6. Method of Storage.—Particular attention is to be given to the storage of each class of article to prevent it from becoming unshapely or unsuitably bent.

Breechings.—If not kept flat, are to be folded in bundles of three, one seat inside the other, the loin straps of each being passed outside and round the three, care being taken that the seat of any breeching is not sharply bent.

Breast Collars.—Are to be kept on the curve similarly to when in use, and in bundles of three, paper being placed between the breast collars to prevent the steel work blackening the leather. They are not to be hung over poles or narrow wood bars.

Head Collars.—Are to be tied by the tops of the heads only, in bundles of six, and suitably hung in the frame.

Neck Collars.—Are to be hung on the short bars across the frame.

Officers' Saddles.—Mark IV or V are to be covered and encased with thin paper, secured with string, each saddle being separate and not packed one on the other. Saddles without pannells will be stacked in bays, end upwards, on the front arch, resting on paper, and then covered with paper and canvas.

Universal Saddles, Luggage Saddles, &c.—Are to be placed with the rear points of the sidebars uppermost. They are not to be laid flat on the shelves, nor are the flaps to be spread or sharply bent in.

Officers' Wallets.—Are to be packed in two or three pairs, the package being covered with paper.

Cavalry Rifle Buckets.—Are to be hung up on poles or lines by their straps, and not stacked on each other; stacking has the effect of flattening them out of shape.

When packed as a temporary measure in vats or cases, the shape of each bucket must be preserved by filling it out with paper, straw, or hay, and allowing sufficient space to prevent compression.

Wire Traces.—Should be kept straight.

Strapping Generally.—Should be kept flat on shelves, and not rolled or buckled. The heads and reins of officers' saddlery will be stacked and covered with paper.

Bits.—Will be kept separate from leather work. The bridoon bits of officers' saddlery should be laid out clear of the reins and covered with paper.

Metalwork Generally.—Must be kept from resting against leather, paper being introduced between the two materials when necessary.

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Leather Hides or Pieces of Hides.—Are to be kept flat on shelves, but crop hides may be rolled in parcels of five. Pipe strips for recovering wire traces are also to be kept flat.

Textile Articles.—Articles liable to destruction by moth, such as saddle blankets, numnahs, numnah pannels, worsted girths, &c., will, when possible, be kept in the original bales.

Loose articles of this nature, as also stuffed pannels for officers' saddles, are to be packed in cases lined with oil canvas and brown paper, and made as air-tight as possible; plenty of naphthaline being used also and renewed from time to time as necessary.

Preservative Treatment of Harness, Saddlery, or Packsaddlery in Storehouses.

7. Different methods of treatment must be employed for crop and curried leather. In the former it is important to preserve the stiffness, and the only treatment consists in applying tallow to the "grain" side to prevent cracking. In the latter it is important to preserve pliability and this is done by applying dubbing, or tallow in the case of certain articles specified in this paragraph.

No hard or fast rule can be laid down as to how often leather should be treated with dubbing or tallow. This must be determined by its appearance and "feel," but generally speaking, it should be dubbed or tallowed at least once in five years or oftener if the conditions of storage are not good.

The grain of any description of leather will give indications of whether re-treatment is requisite by an obviously dry appearance. In articles or parts where pliability is essential, a further test is possible by passing between the forefinger and thumb and slightly bending the leather whilst so doing, when want of grease will be evident to the touch. It must, however, be borne in mind that articles which are in intimate touch with the animal, such as the inside of a breast collar or girth, require treating more often than say the releasable strap of a wire trace, where a certain amount of stiffness is requisite for efficient use. Also articles made from leather known as "cloak hide," such as packsaddlery breechings and breast collars, Hotchkiss ammunition cases, saddlery wallet covers and gussets, may require more frequent treatment than other articles, as the leather is only dressed with grease and a drier appearance is consequently presented than in other articles.

Grease such as dubbing or tallow is only a preservative when it enters the fibres of the leather. The best way to ensure this is to apply it when the leather is in a damp condition, for as the moisture dries the grease enters. But it must be remembered that only a

certain amount can be absorbed, and therefore to use it in excessive quantities is both useless and wasteful, and only produces a surface to which dirt readily adheres.

The following articles should be treated with tallow :—

ARTICLES.

All articles of officers' saddlery, but seats and flaps of saddles on the smooth surface only.	Leather parts of web girths.
Cavalry rifle buckets (on the smooth surface only).	Packsaddlery breast collars and breechings.
Strapping or leather fittings of numnahs or numnah pannels.	Caps, shovel.
Saddles, S.A. seats and flaps (on smooth surface only).	Cases, spare barrel.
V-girth attachments and straps.	Neck collars—all parts except lining.
Packsaddlery pannels, backs of.	Pads, luggage, R.H.A.
	Saddles, luggage—Seats and flaps on smooth surface only.

Dubbing will be used on all articles other than these.

Method of Treatment.—All dirt or dust should first be removed. The leather work should, wherever possible, be made slightly damp on both surfaces by sponging with cold water. Both surfaces should then be treated with the tallow or dubbing, as the case may be, which in the winter may be slightly warmed if necessary.

Articles of crop leather (as they require treatment with tallow on the grain side only) will only be damped on that side.

8. Metal Parts.—Rust must be carefully guarded against by lacquering the iron or steel parts with varnish. If rust has formed it must be removed before relacquering.

9. Annual Cleaning.—The harness, saddlery, and packsaddlery should be removed from the frames annually and cleaned.

Leather parts are to be cleaned with a cloth and brush to remove dust and dirt, and stain or dirty marks caused by handling should be removed with a little yellow soap and damp cloth or sponge.

Articles of Harness, Saddlery, or Packsaddlery in use.

10. Handling and Repairs.—Reasonable care must be exercised in the handling of articles of harness and saddlery.

Fractured arches or broken sidebars result when saddles are carelessly dropped or thrown about; a rifle bucket may damage the rifle itself if the body is bent out of shape; the usefulness of a collar pad is destroyed when its shape is altered by rough usage; the "throat" of a neck collar is weakened or even broken by unduly stretching the top—these are a few of the more common results of misuse.

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Minor defects should be attended to at once—a serious repair is often thus avoided. Stitching should be tested from time to time, as the life of thread is shorter than that of leather. Making holes in strapping by any means other than that of the saddler's punch should be discouraged.

Girth straps require special attention, as the scoring of the leather between holes incidental to "girthing up" results sooner or later in the strap becoming unserviceable owing to a break in the material.

11. The scrubbing of leather is undesirable as it rots the stitches. It should not be resorted to unless the dirt or grease is too thick to be removed by washing in lukewarm water and soap with a sponge. Soda in the water, or hot water, destroys the leather, and must not be used.

12. The drying of leather by the fire, or keeping it near fires or heating apparatus, destroys its durable properties.

13. Care and preservation.—Particular attention is drawn to paragraph 7 of this Appendix wherein certain facts are given, regarding leather and its preservation which equally apply to articles in use.

It is desirable that harness, saddlery, and packsaddlery in use by troops should, when the necessary facilities are possible, be laid by in dubbing for two or three days once in every six months, as in this way the life of the article is prolonged by the leather being fed. The whole of the strapping should be taken to pieces, and the leather damped and treated with dubbing or tallow as laid down for new articles in store.

Soft soap is not a preservative in the same sense as dubbing or tallow. It should only be employed on articles in actual use to produce mellowness in the leather. If applied too freely it gives a dark appearance which is unsightly.

Saddle soaps commonly used to produce the same effect are not objectionable provided they are of good quality.

Soft soap should be used daily where articles are in constant use to produce mellowness in the leather with subsequent pliability of strapping and preservation of the "grain." But similarly to dubbing it is only waste to use it thickly, and the best way is to apply it in a lather with a sponge.

Leather which has become wet in use should be treated with a light application of dubbing to prevent a hard and stiff condition arising when dry.

Parts of harness or saddlery affected by sweat from the animal, i.e., the inside surfaces of breast collars, leather girths, &c., should be sponged after use with clean cold water, and then soft soaped to keep them pliable and soft.

When harness and saddlery is not kept in saddle or harness rooms but is hung in the stables, the leather suffers somewhat from the action of ammonia, but the six-monthly treatment with dubbing usually prevents any ill-effects that might arise.

14. Care of felt, web, rope, and textile parts.—Saddle blankets, pannel numnahs, the lining of neck straps, &c., should after use be placed in the sun or wind to dry, and then beaten and brushed. Scraping the grease from felt must be prevented—it should not be allowed to become necessary.

Web girths may be scrubbed with clean cold water, and drivers' whips may be similarly treated, but scrubbing of rope work must be avoided unless absolutely necessary, as it tends to rot the rope.

15. Care of metal work.—Bits, stirrups, &c., should be wiped dry after use and then rubbed over with an oiled rag. Much trouble will be saved if this is done before the rust has time to form. Before using the bit again, wipe the oil from the mouthpiece.

Grease must also be removed from the under surface of collar pads—this if done daily removes one of the causes of sore withers.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
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21A	Rollers ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Boxes :— Grease, 3-lb. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rubber packings ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Salt ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Sugar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Surgical appliances ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Store ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Brackets, lamp, outside ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Carriers, dust excluder :— 2nd class axletree, No. 1 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class axletree, No. 1 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cases :— Cleaver and saw ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Leather, small stores box ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Casing, hose strainer, apparatus filtering ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Chains :— Check, perch, wagon, G.S. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Drag shoe :— No. 21 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 22 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 24 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 33 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Draght :— Cart, forage, outrigger ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Pole, No. 2 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tail board ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Clamps, securing stretcher ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Clips :— Securing stretcher ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Securing pump ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21B	Collars, adjusting ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "C" capped wheels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "B" capped wheels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) According to mark of vehicle.

(b) For Mark II cart only.

(c) Some carts of early issue are fitted with a wooden grease box.

(d) For Mark IIA cart only.

(e) For Mark IIIA cart only.

(f) For Marks II* and III carts only.

Section No.		Number for each vehicle.																																
Description.		Carts.																Wagons.																
		Carriages.		Kitchen, travelling.														Ambulance.		G.S.		Limbered, G.S.												
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
COVERS.—continued.	Cart, Officers' mess (a) ...																																	
	Tank lid ...																																	
	Thigh splint ...																																	
	Wagon, ambulance, light ...																																	
	Cups, drinking, cart, water ...																																	
	Curtains, Mark VI ambulance wagon (set of 8) ...																																	
	Cushions :—																																	
	Carts, chaise... 1																																	
	Wagons, ambulance, light ...																																	
	Wagons, ambulance, Marks V* and V** ...																																	
Wagons, ambulance, Mark VI :—																																		
Largo ...																																		
Small ...																																		
Dampers ...																																		
Dishes, baking ...																																		
Doors :—																																		
Left ...																																		
Right ...																																		
Sliding :—																																		
Front ...																																		
Heav... 2																																		
Seat ... 2																																		

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Pins—continued.																																				
21A	Securing :—	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Prop (with chain)	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Shaft (with chain)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Shave...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tail board	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Poles, draught :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 7A ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 9 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	No. 17 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cart, hand, common	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Wagon range...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rails, side, wagons, ambulance, Marks	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	V* and V*...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rakes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Ramps (with hinge bar)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Raves :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cart :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Forge :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Fore or hind	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Side	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Wagons, G.S.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Reels, clarifying, apparatus, filtering	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Reels, arm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rods :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Curtain :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Long	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Short	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tie :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Bottom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Top ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rollers, scotch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Roof	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Ropes :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Wire, locking	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Wire, slinging drag shoe...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Seats, and box, drivers, wagon, am-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	bulance	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Only for vehicles fitted with dust-capped wheels
 (c) For Mark III cart only.
 (d) For Mark II cart only.
 (e) For Marks II* and III carts only.
 (f) Only for vehicles not fitted with dust capped wheels.
 (g) For Marks III and IIIA carts only.

Section No.	Description.	Number for each vehicle.																																								
		Carriages.				Carts.										Wagons.																										
		Ambulance stretchers.		Ambulance, collapsible, Mark I.		Chaise.		Coal.		Forage.		Gibraltar.		Hand, common.		Hand, diet.		Mark V.		Maltese.		Officers' mess.		Water tank.				Kitchens.		Ambulance.		G.S.		Limbered, G.S.		Oven, steam.		Limber, long.		Limber, short.		
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37						
1	COMPONENTS—continued.																																									
21A	Sent. cart, ambulance, horse																																									
21A	Sent. drivers			1																																						
21A	Sent. with back																																									
21A	Wagon, G.S., Mark IX																																									
21A	Wagon, G.S., Marks X and X.																																									
21A	Shirts:—																																									
21A	No. 39 (framed pairs)																																									
21A	No. 40 (off)																																									
21A	No. 41 (framed pairs)																																									
21A	No. 43 (near)																																									
21A	No. 44 (off)																																									
21A	No. 49 (near)																																									
21A	No. 63 (near)																																									
21A	No. 64 (off)																																									
21A	No. 78 (near)																																									
21A	No. 77 (off)																																									
21A	No. 78 (near)																																									
21A	No. 79 (off)																																									
21A	Shelves																																									
21A	Shoes, drag:—																																									
21A	No. 9																																									
21A	No. 17																																									
21A	No. 24																																									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
21A	Slate, shaft	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Spanners:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Adjustable, 7-inch ...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Carriage, ambulance stretcher ...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 184...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	No. 190...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 243...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Stays, door	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Steps, rear	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Stick, tipping	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Straps:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Guard ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Securing:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	2 inch x 9½ inches	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	¾ inch x 43 inches	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	1 inch x 26 inches	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Sets (a)	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	...	
13C	Stretchers, ambulance	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Swingladders:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 2 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 11 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 13 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tanks, water ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Ties, lynch pin...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Washers:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Axletree:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "A"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cart, hand, diet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Drug:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "A"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "C"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "A"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "B"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "C" capped wheels...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</	

(a) See Table of Components, Accessories, and Straps for Service Vehicles. (b) Or No. 11. (d) Not for carts fitted with patent axletrees.
 e) For Mark II carts only. (f) Only when No. 145 wheels are used. (g) Not required if No. 145 wheels are used. (h) For Mark IIA carts only.

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Special :—																																				
21A	No. 73	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Carriage, ambulance stretcher	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ACCESSORIES.																																				
21A	Kettles, sterilizing, apparatus, filtering	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B.—Demanded and accounted for separately.																																				
1. ACCESSORIES.																																				
Hairs, coupling, engine draught :—																																				
21A	No. 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Boxes, grease, 3-lb.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25A	Chain, drag shoe, No. 35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Connectors, engine draught, No. 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Covers :—																																				
21A	Adjustable, G.S. wagons	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Carriage, ambulance, stretcher	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cart :—																																				
21A	Ambulance, horse	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Chaise	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Forage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Maltese	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tip, G.S.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rifle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Wagon :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Ambulance, Marks V* and V**	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Limbered, G.S.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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- (a) Only for wagons with which engine draught has been authorized.
 (b) 1 for each driver armed with a rifle, for vehicles forming part of war equipment only. In the case of G.S. wagons, covers will not be issued until vehicles have been fitted for carrying rifles.
 (c) Alternative to No. 200A wheel.
 (d) For Mark IIIA cart only.
 (e) For Mark II* and III carts only.
 (f) For Mark II cart only.
 (g) For Mark IIA cart only.
 (h) For Mark II* cart only.

Section No.	Description.			Number for each vehicle.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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				Ambulance stretcher.		Ambulance, collapsible, Mark I.	Ambulance, horse.	Chaise.	Coal.	Forage.	Gibbular.	Hand, common.	Hand, diet.	Mark V.	Mark VI.	Officers' mess.	Water tank.	Watering, special.	Mark VII.	Mark VI*.	Mark V.	Mark VI.	Mark V.	Tip, G.S.	Mark II.	Mark I.	Mark VI.	Mark V.	Hand, diet.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	Mark V.	Mark VI.	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21A	Measure, clarifying powder, 83 grains																																				
21B	Outfit (repairing tyres) ...	1																																			
21B	Pump, bicycle...	1																																			
21A	Shoe, drug, No. 10 ...																																				
21A	Siligs, cart, ambulance, horse ...																																				
14	Spanner, No. 93 ...																																				
14	Straps, securing, 1-inch x 26-inches ...																																				
21A	Tools:— Inserting rubber tyres ...																																				
2. SPARE PARTS.																																					
21A	Bearers, boilers, kitchen, travelling (c)																																				
14	Blocks, brake:— Field and transport ...																																				
21A	Wagons, ambulance:— Mark VI and light ...																																				
21A	Bolt, cot meeting, Nos. 21 and 31 brake screws...																																				
21B	Clip securing pump ...	1																																			
21A	Collars:— Adjusting:— 2nd class "C" capped wheels ...																																				
21A	3rd class "B" capped wheels ...																																				
21A	Cylinder cover bolts, apparatus, filtering ...																																				
21A	Covers, clarifying reel, apparatus, filtering ...																																				

- (a) Only for wagons for which engine draught has been authorized.
 (b) Should only be demanded when the local laws or regulations render their use necessary, vide § 10206, 12614, and 21289 L. of C.
 (c) When No. 43 wheels are used.
 (d) Not required for carts fitted with patent axletrees.
 (e) Carried in No. 2 G.S. wagon of the Baggage Section of train for Infantry battalions (War only).
 (f) For Mark IIIA carts only.
 (g) For Mark IIA carts only.
 (h) For Mark II carts only.
 (i) For Mark III carts only.
 (j) For Marks II* and III carts only.
 (k) Not required for Mark V* wagons fitted with No. 158 and 159A wheels.
 (l) Only required for wagons fitted with steel-tired wheels.
 (m) For units at home, peace only.

Section.No.	Description.	Number for each vehicle.																																			
		Carriages.		Carts.										Wagons.										Range, long.		Range, short.											
		Ambulance stretcher.	Ambulance stretcher, collapsible, Mark I.	Mark I.	Ambulance, horse.	Chaise.	Coal.	Forage.	Gibraltar.	Hand, common.	Land, diet.	Mark V.	Maltese.	Officers' mess.	Water tank.	Watering, special.	Mark II.	Kitchens.	Ambulance.	G.S.	Limited, G.S.	Blind.	Oven, steam.														
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
1	2	SPARE PARTS—continued.																																			
	Gratings, kitchen, travelling (2 to a set) (t)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Keys:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	Head and tail	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	Split, flat:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	4-inch x 3-inches	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	4-inch x 3½-inches	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
19	Lashings, white, 1-inch, 32 feet...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	Lubricators	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Nuts:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Hexagon:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	4-inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	4-inch castellated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	4-inch castellated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21A	Wing, cylinder, cover bolts, apparatus, filtering	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

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	Plus, llnch :-																																				
21A	2nd class (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "C" capped wheels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "B" capped wheels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cart, hand, diet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	With tread plate "B" (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Plates, anti-splash (i) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rakes, fire, kitchen, travelling (i) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Pumps, differential, packings ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Reels, clarifying, apparatus, filtering ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Rings, clarifying reel ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Swingloftrees :-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 11 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	No. 13 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Taps, water, small, No. 3 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Washers :-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Axletree, 3rd class "A" ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Drag :-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	2nd class "A" ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "A" ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "B" (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	2nd class "C" capped wheels (b) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	3rd class "B" capped wheels (b) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Leather :-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Caps, drainhole, carts, water tank ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Cylinder cover, clarifying filter, carts, water tank ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Union, 3-inch hose ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) "Abington Echo" pattern.

(b) Only required for vehicles having dust-capped wheels.

(c) Not required for vehicles having dust-capped wheels.

(d) For Mark IIIA carts only.

(e) For Mark IIIA carts only.

(f) For Mark IIIA carts only.

(g) For Marks II* and III carts.

(h) For each unit.

(i) Carried in No. 2 G.S. wagon of the baggage section of train for infantry battalions (war only).

[illegible]

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2091

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
9A	Grease, lubricating (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Hammers:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Claw, 16-oz. (or 14-oz.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5A	Riveting, 8-oz. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2A	Hobbles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2A	Hooks, bill ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Lanterns, tent, folding (d) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Lanterns, white, 1-inch, 30 feet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Linen or cotton, old... ... pairs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Powder:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bleaching (a) lbs.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Clarifying (a) pairs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Ropes, drag, light, G.S. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Screwdrivers, G.S., 6 inch ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Shovels:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Coal, large ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2B	G.S. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Spanners:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Adjustable, 11-inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Armament artificers, double-ended:— $\frac{1}{2}$ -inch and $\frac{3}{8}$ -inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	$\frac{3}{4}$ -inch and $\frac{1}{2}$ -inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	1-inch and $\frac{7}{8}$ -inch (h)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	No. 287	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21A	Tackles, differential, 10-cwt.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2A	Tent-line, small (c)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</												

(c) Annual supply.

(a) R.A.S.C. supply.
(b) Will be demanded when these wagons are fitted for engine draught.
(d) Or lamps, hurricane, *vide* § 24096 L. of C.

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APPENDIX XVI.

(Referred to in paragraph 316.)

A.O. 117
1922**PROVISIONAL SCALE OF OUTFITS FOR MECHANICAL
TRANSPORT VEHICLES.***Articles detailed in this table are not to be demanded unless actually required.*

Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles.	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
<i>Section No. 2—B.</i>								
Axes, pick—								
Heads, 4½-lb.	—	—	1(a)(s)	—	—	—	—	—
Helves, 36-inch, ferruled	—	—	1(a)(s)	—	—	—	—	—
Spades, Mark III	—	—	1(a)(s)	—	—	—	—	—
<i>Section No. 7.</i>								
Cans, oil, lubricating—								
G.S.	1	—	1	—	1	—	1	1
1 pint	—	1	—	1	—	—	—	—
<i>Section No. 9—B.</i>								
Bottles, tin, oil—								
1 gallon	1	1	—	2	—	—	—	—
2 gallons	—	1	—	—	—	—	—	—
<i>Section No. 10—A.</i>								
Padlocks, iron, 2-inch	(e)	(e)	(c)	(e)	(e)	—	(e)	(e)
<i>Section No. 11.</i>								
Brushes, water carriage	—	—	1 (a)	—	—	—	1 (a)	1 (a)
<i>Section No. 12.</i>								
Pails, iron, galvanized, 4 gallons	—	1	—	1	—	—	—	—

Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles.	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
Section No. 13—C.								
Stretchers, ambulance	—	—	—	—	(u)	—	—	—
Section No. 19.								
Lashings, tarred, 1½-inch, 30 feet	1	1	2	2	—	—	—	—
Section No. 28—B.								
Tape, primed lbs.	1	—	1	—	1	½	1	1
M.T. SUPPLY.								
Section No. 1.								
Aprons, driving	—	—	—	—	1 (p)	—	—	—
Bags, carrier, motor-cycle, side armoured	—	—	—	—	—	2	—	—
Bag, tube, or case	—	—	2 (r)	—	2	1	—	—
Belting, whittle (c) ... feet	4	—	4	—	4	—	4	4
Brushes—								
Engine cleaning	1	1	1	1	1	—	1	1
Spoke	—	—	—	—	1 (a)	—	—	—
Buckets, canvas	—	—	—	—	1 (n)	—	—	—
Cans, petrol, 2 gallons	—	—	6 (k)	—	1 (k)	—	—	—
Carriers, petrol tin, lorry, com- plete with lock and key ...	—	—	2	—	—	—	—	—
Covers—								
Radiator	1	—	1	—	1	—	1	1
Waterproof, lorry or car (c) ...	1	1	1	1	1 (r)	—	—	—
Cushions	—	—	1	1	1 (i)	1 (w)	1	1
Extinguishers, fire (Pyrene type), and bracket	1	—	1	—	1	—	1	1
Fittings for securing Stepney wheel sets	—	—	—	—	1 (y)	—	—	—
Funnels—								
Oval, oil, 6-inch... ..	1	1	1	1	1	—	1	1
Petrol	1	—	1	—	1	—	1	1
Gauges, pressure, tyre (Schrader)	—	—	—	—	1 (y)	—	1	—
Glasses, gauges—								
Boiler, with rings, rubber (spare)	—	1	—	1	—	—	—	—
Water level (Klinger) (spare) ...	—	1	—	1	—	—	—	—

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Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles.	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
M.T. SUPPLY—contd.								
Section No.1—contd.								
Holders—								
Licence	1	1	1	1	1	1	1	1
Petrol tin, car	—	—	—	—	1	—	—	—
Hooks, towing (set of 4)	—	—	1	—	—	—	1	1
Injectors, grease (g)	1	1	1	1	1	—	1	1
Jacks—								
(c)	1 (a)	1	1 (a)	1	1	—	—	1
Armoured car	—	—	—	—	—	—	1	—
Padlocks, with chain	—	—	—	—	—	1	—	—
Pick and spade fittings	—	—	1 (x)	—	—	—	—	—
Plumbago, tins	—	—	—	—	1 (n)	—	—	—
Pumps, tyre—								
Foot	—	—	—	—	—	—	1	—
Hand, with pressure gauge	—	—	1 (v)	—	1	—	—	—
Motor-cycle, and clips	—	—	—	—	—	1	—	—
Rugs, driving	—	—	—	—	1 (d)	—	—	—
Scotch, lorry, complete (when sprags are not fitted to vehicle)	2	2	1 (a)	1	—	—	—	1
Shackles, $\frac{1}{2}$ -inch	—	1	—	—	—	—	—	—
Speedometers	—	—	—	—	—	—	1	—
Squirts, oil (g)	1	—	1	—	1	1	—	1
Squirts, petrol (g)	1	—	1	—	1	—	1	1
Stands, rifle, for 2 rifles	—	—	1	—	—	—	—	—
Straps, securing—								
For hood... ..	—	—	—	—	1 (g)	—	—	—
Hood or canopy	—	—	1 (g)	—	—	—	—	—
Straps, Stepney or spare wheel	—	—	—	—	2 (q)	—	—	—
Tins, grease	1	1	1	1	1	—	1	1
Section No. 2.								
Kits, tool—								
Car sets	—	—	—	—	—	—	1 (t)	—
Car or lorry (including set of special tools) sets	1 (b)	—	1 (b)	—	1 (b)	—	—	1 (l)
Motor-cycle "	—	—	—	—	—	1 (h)	—	—
Steam vehicle "	—	(j)	—	1 (j)	—	—	—	—
Lovers—								
Fork, tyre	—	—	1 (v)	—	1	—	1	—
Tyre	—	—	3 (v)	—	3	—	3	—
Rakes—								
Clinker	—	1	—	1	—	—	—	—
Coal	—	1	—	—	—	—	—	—
Mud	—	1	—	1	—	—	—	—

Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles.	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
M.T. SUPPLY—contd.								
Section No. 2—contd.								
Shovels—								
Clinker	—	1	—	1	—	—	—	—
Fire	—	1	—	1	—	—	—	—
Spanners, box, double-ended, $\frac{1}{4}$ -inch $\times$ $\frac{3}{8}$ -inch, for sparking plug	1	—	1	—	1	1	1	1
Section No. 3.								
Bells, alarm	1 (z)	1 (z)	—	1 (z)	—	—	—	—
Brackets, lamp—								
Head	2	2	2	2	2	1	2	2
Side	2	2	2	2	2	—	2	2
Tail	1	1	1	1	1	—	1	1
Horns	—	1 (aa)	1	1 (aa)	1	1	—	—
Horns, electrical	—	—	—	—	—	—	1	—
Horns, mechanical	—	—	—	—	—	—	—	1
Lamps—								
Head—								
Acetylene—								
If not self-contained, 1 generator and rubber tubing for connection ...	2	2	2	2	2	—	—	—
With generator and rubber tubing	—	—	—	—	—	1	—	—
Self-contained	—	—	—	—	—	—	1	1
Electric	—	—	2 (l)	—	2 (l)	—	2	2
Side—								
Electric	—	—	2 (l)	—	2 (l)	—	2	2
Oil	2	2	2	2	2	—	—	—
Side-car, acetylene	—	—	—	—	—	1 (f)	—	—
Tail—								
Acetylene	—	—	—	—	—	1	—	—
Electric	—	—	1 (l)	—	1 (l)	—	1	1
Oil	1	1	1	1	1	—	—	—
Mirrors, driving	—	—	1	1	1	—	—	—
Section No. 4.								
Accumulators (in sets)	—	—	1 (l)	—	1 (l)	—	1	1
Bulbs, spare (sets of 3)	—	—	1 (l)	—	1 (l)	—	2	2
Dynamo, with belt	—	—	1 (l)	—	1 (l)	—	1	1
Plugs, sparking	1	—	1 (o)	—	1 (o)	1	4	4
Switchboards	—	—	1 (l)	—	1 (l)	—	1	1

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Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles.	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
M.T. SUPPLY—contd.								
Section No. 6.								
Brushes, boiler, tube—								
Head	—	1	—	1	—	—	—	—
Handle	—	1	—	1	—	—	—	—
Chalk, French ... 1 lb. tins	—	—	1 (v)	—	1	—	1	—
Hose, suction, with couplings, 32-feet	—	1	—	1	—	—	—	—
Outfits, tyre, repair	—	—	1 (v)	—	1	1	1	—
Section No. 8.								
Magnetos spare	(bb)	—	(bb)	—	(bb)	(bb)	(bb)	(bb)
Magnetos (sets of spares) ...	(bb)	—	(bb)	—	(bb)	(bb)	(bb)	(bb)
Spanners, magneto	1	—	1	—	1	1	1	1
Section No. 9.								
Keys for union suction hose (c) ...	—	1	—	1	—	—	—	—
Section No. 11.								
Chains, non-skid sets	—	—	1(n)	1 (n)	1(n)	—	1	1
Links, whittle, for dynamo ...	—	—	1½(l)	—	1½(l)	—	1½	1½
Ropes, or chains, towing ...	1	1	1(a)	1	—	—	1(a)	1(a)
Not in Vocabulary.								
Carbide, tin empty	1	1	1	1	1	—	1	1
Caulking tools sets	—	2(x)	—	2(x)	—	—	—	—
Covers, pneumatic	—	—	2(n)	—	2(n)	—	—	—
Pins, draw-bar, with cotter ...	1	1	—	—	—	—	—	—
Plugs, fusible	—	1	—	1	—	—	—	—
Rods, tank	—	1(x)	—	1(x)	—	—	—	—
Sets of spares	—	—	1(n)	—	—	—	—	1
Spanner, fusible, plug	—	1	—	1	—	—	—	—
Spikes, frost or spuds ... sets	1	1	—	—	—	—	—	—
Tubes, inner	—	—	2(v)	—	2	1	—	—
Wheel, or Stepney, or rim, com- plete with tyre and tube (spare)	—	—	1(v)	—	1(m)	—	2	—

(a) One for 5 vehicles.

(b) A W.D. standard tool kit, car or lorry, is as under: it does not include the maker's special tools, a list of which accompanies the vehicle:—

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Part No.								Quantity.
6705	Rolls, tool kit, empty for cars or...	...	...	...	...	...	...	1
284	Bags, tool kit, empty for lorry	...	...	...	...	...	...	
*1725	Chisels, hand, cold, $\frac{1}{2}$ -inch $\times$ 6-inch	...	...	...	...	...	...	1
	Files—							
*3732	Bastard, round, 8-inch	...	...	...	...	...	...	1
*3815	Second cut, half-round, 10-inch	...	...	...	...	...	...	1
*4550	Hammers, riveting, 24-oz....	...	...	...	...	...	...	1
*4491	Handles, file, middling	...	...	...	...	...	...	1
*12153	Pliers, side-cutting, 7-inch	...	...	...	...	...	pairs	1
*13537	Punches, pin, $\frac{1}{8}$ -inch	...	...	...	...	...	...	1
5252	Screwdrivers, 10-inch, overall	...	...	...	...	...	...	1
	Spanners—							
	Box, D.E.—							
7646	$\frac{1}{2}$ -inch $\times$ $\frac{5}{8}$ -inch, Whitworth	...	...	...	...	...	...	1
17573	$\frac{1}{2}$ -inch $\times$ $\frac{1}{2}$ -inch, Whitworth	...	...	...	...	...	...	1
3960	$\frac{1}{2}$ -inch $\times$ $\frac{1}{2}$ -inch, Whitworth	...	...	...	...	...	...	1
3970	D.E., $\frac{1}{2}$ -inch $\times$ $\frac{1}{2}$ -inch, Whitworth	...	...	...	...	...	...	1
3972	D.E., $\frac{1}{2}$ -inch $\times$ $\frac{5}{8}$ -inch, Whitworth	...	...	...	...	...	...	1
3976	D.E., $\frac{3}{4}$ -inch $\times$ $\frac{1}{2}$ -inch, Whitworth	...	...	...	...	...	...	1
*2257	Tape, insulating, $\frac{1}{2}$ -inch	...	...	...	...	...	lbs.	$\frac{1}{2}$
3703	Tommy bars, for box spanners	...	...	...	...	...	...	1
*7077	Wire, ordinary, copper, soft, No. 20 S.W.G.	...	...	...	...	...	lbs.	$\frac{1}{2}$
	Wrenches—							
	Adjustable—							
8188	6-inch	...	...	...	...	...	...	1
8246	12-inch	...	...	...	...	...	...	1
8176	Footprint, 9 inch	...	...	...	...	...	...	1
(c)	Size to be stated on indents.							
(d)	Touring cars only.							
(e)	One for each tool box.							
(f)	For combination only.							
(h)	The tools comprising this kit are as under:—							
	Tool rolls, empty	...	...	...	...	...	...	1
	Screwdrivers, 6-inch	...	...	...	...	...	...	1
	Spanner, adjustable, 6-inch	...	...	...	...	...	...	1
	*Pliers, flat nose	...	...	...	...	...	pairs	1
	Tyre levers	...	...	...	...	...	...	2
	Spanners, special (maker's)	...	...	...	...	...	sets	1
	Bolt punches	...	...	...	...	...	...	1
	Bolt, with straps (spare)	...	...	...	...	...	...	1
	Bolt fasteners (spare)	...	...	...	...	...	...	2
	Links, driving, chain	...	...	...	...	...	...	2
	Chain, rivet, punch	...	...	...	...	...	...	1
(i)	Set.							
(j)	The tools comprising this kit are as under:—							
	*Chisels, hand, cold, $\frac{1}{2}$ -inch $\times$ 8-inch	...	...	...	...	...	...	1
	Files—							
	Bastard, round—							
	*12-inch	...	...	...	...	...	...	1
	*8-inch	...	...	...	...	...	...	1
	Regular cut—							
	*Hand, safe edge, tanged, 12-inch	...	...	...	...	...	...	1
	*Half-round, 12-inch	...	...	...	...	...	...	1
	Smooth, half-round—							
	*12-inch	...	...	...	...	...	...	1
	*8-inch	...	...	...	...	...	...	1

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	Quantity.
*Hammers, fitters, 24-oz.	1
Handles, file—	
*Large	2
*Middling	1
*Holders, file, with handle, half-round, 12-inch	1
Pliers—	
*Gas, 9-inch	pairs 1
*Side-cutting, 7-inch	„ 1
*Punches, carpenters, small	1
*Screwdrivers, General Service, 9-inch	1
Spanners—	
*Adjustable, 15-inch	1
Armament, artificers, double-ended—	
*1 inch $\times$ $\frac{7}{8}$ inch	1
* $\frac{3}{4}$ inch $\times$ $\frac{5}{8}$ inch	1
* $\frac{1}{2}$ inch $\times$ $\frac{3}{8}$ inch	1
* $\frac{3}{8}$ inch $\times$ $\frac{1}{4}$ inch	1
* $\frac{1}{4}$ inch $\times$ $\frac{1}{8}$ inch	1
Socket—	
* $\frac{1}{2}$ inch	1
* $\frac{3}{8}$ inch	1
Tommy bars, for socket spanners	1
*Wire, ordinary, copper, No. 18 S.W.G.	lbs. 1
(k) M.T. supply for equipment of vehicles only.	
(l) When fitted with electric lighting set.	
(m) Stepney wheel or rim for Ford vehicles.	
(n) For mobilization, when they will be added to equipment at Base.	
(o) On mobilization, this will be increased to 4, the balance being issued at Base.	
(p) Crossley vans only.	
(q) Where necessary	
(r) Box body vans.	
(s) The scale for mobilization is 1 for each vehicle, the additional quantity being issued at Base.	
(t) Special kit as supplied with vehicles.	
(u) As necessary for ambulances.	
(v) When fitted with pneumatic tyres.	
(w) For motor-cycles with combination.	
(x) To be made by company artificers.	
(y) Also one to each 5 pneumatic tyred vehicles with unit.	
(z) For vehicles over $7\frac{1}{2}$ tons weight.	
(aa) When not provided with an alarm bell.	
(bb) One for each batch of 10 to 20 vehicles; 2 when number of vehicles is 40 or more.	
In addition 1 for each armoured car and armoured lorry.	

* Initial issue made by R.A.S.C. (M.T.); replacements to be obtained from R.A.O.C.

APPENDIX XVII.

(Referred to in paragraph 316.)

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1922CONSUMABLE MATERIALS FOR MECHANICAL TRANSPORT
VEHICLES.

Annual Allowances.

NOTE.—The scales of material detailed in this Appendix should be regarded as the maximum annual allowances. Demands should only be made for the quantities actually required. (See Paragraph 96.)

Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles (Solo or Combination).	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
<i>Section No. 8—A.</i>								
Asbestos—								
Millboard (a) lbs.	—	3	—	3	1	—	1	1
Packing, round (a) "	2	7	1	7	1	—	1	1
Yarn (a)... .. "	$\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$
Asbestos and rubber—								
Rings, wire woven—								
Manhole (a) "	—	4	—	4	—	—	—	—
Mudhole (a) "	—	12 (b)	—	12 (b)	—	—	—	—
Oordage, spun yarn, hemp—								
Tarred, 3-thread ... lbs.	3	3	2	3	2	—	2	2
White, 3-thread "	—	3	—	3	—	—	—	—
Jointing (Hallite, etc.) (a) .. "	3	—	3	—	2	—	2	3
Jointing, sheeting, asbestos, compound (a) lbs.	—	3	—	3	—	—	—	—
Rings, rubber, for gauge glasses (a) "	—	30 (c)	—	30 (c)	—	—	—	—
Rubber, vulcanized, insertion, sheet—								
Canvas, $\frac{1}{16}$ -inch ... lbs.	—	1 $\frac{1}{2}$	—	1 $\frac{1}{2}$	—	—	—	—

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Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles (Solo or Combination).	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
Section No. 9—A.								
Bath-bricks	4	4	2	4	1	—	1	2
Cloth, emery (assorted) (a) sheets	26	26	26	26	12	4	26	26
Grease, lubricating, for M.T. vehicles lbs.	80	40	40	40	20	—	40	40
Oil, castor pints	—	—	3(f)	—	3(f)	—	3(f)	3(f)
Oil, lubricating—								
Motor car (or American motor lorry) galls.	—	—	—	—	30	—	30	—
Motor cycles "	—	—	—	—	—	8	—	—
Motor lorries "	60	—	40(m)	—	12(n)	—	—	40
Steam cylinders, thick (g) "	20	60	16	60	6	—	6	16
Oil, Rangoon "	—	30	—	30	—	—	—	—
Polish, metal (liquid) 4-oz. tins	—	—	12	—	12	4	12	12
Soap, soft lbs.	7	7	7	7	7	—	7	7
Soda—								
Caustic, commercial "	—	7	—	7	—	—	—	—
Crystals "	7	28	7	28	7	—	7	7
Varnish, Japan, gold size... pints	$\frac{1}{2}$	—	$\frac{1}{2}$	—	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$
Section No. 10—A.								
Pins, keep, split (assorted sizes) doz.	12	12	12	12	12	4	12	12
Section No. 13—C.								
Cloths, sponge	48	48	12	48	12	6	24	24
Cotton, waste, coloured ... cwts.	1	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	1	1
Leathers, chamois	—	—	—	—	4	2	—	—
Section No. 28—B.								
Tape, primed lbs.	$\frac{1}{2}$	—	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Old Stores.								
Linen, or cotton, old ... cwts.	1	1	1	1	1	$\frac{1}{2}$	1	1

Description.	Tractors.		Lorries.		Motor Cars, Ambulances, and Box Body Vans.	Motor Cycles (Solo or Combination).	Armoured Cars.	Armoured Lorries.
	Internal Combustion.	Steam.	Internal Combustion.	Steam.				
M.T. SUPPLY.								
Section No. 1.								
Carborundum paste—								
Fine 1-lb. tins	2	2	2	2	2	1	2	2
Coarse "	1	—	1	—	1	—	1	1
Chalk, French "	—	—	6(d)	—	6	2	6(d)	6(d)
Graphite, flaked "	5	5	3	5	3	—	5	5
Paint or enamel (special) (j) lbs.	—	—	—	—	7	1	—	—
Sponges, motor car	—	—	—	—	6(k)	—	—	—
Washers, C. & A., assorted dozen	1	—	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{4}$	1	1
Section No. 3.								
Burners, lamp, acetylene (a) ...	6	—	6	—	6	4	2	2
Section No. 6.								
Valves, spare parts, tyres, assorted								
(a) pkts.	—	—	4 (d)	—	4	2	4	4 (d)
Packing, pump (a) ... lbs.	1	—	$\frac{1}{2}$	—	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$
Not in Vocabulary.								
Carbide of calcium (h) ... cwt.	1	1	1(e)	1	1(e)	$\frac{1}{2}$	(l)	(l)
Paraffin (h) galls.	25	25	25	25	20	6	25	25
Wick, lamp, flat or round (h) yds.	2	2	2(e)	2	2(e)	—	—	—
STATIONERY OFFICE SUPPLY.								
Paper, brown, stiff quires	1	1	1	1	1	$\frac{1}{4}$	1	1

(a) Size required to be quoted on indents. (b) For each mudhole. (c) For each gauge glass. (d) When fitted with pneumatic tyres. (e) When not fitted with electric lighting set. (f) If fitted with leather clutches. For plate clutches, special clutch oil will be issued in lieu. (g) For steam cylinders, bearings and gear boxes. (h) R.A.S.C. supply. (j) Authority should be obtained before paint, other than service colour, is demanded. (k) Cars and ambulances only. (l) As required. (m) For American lorries, American motor-lorry or motor-car oil should be used. (n) During the winter months, motor-car oil may be added to motor-lorry oil as necessary.

APPENDIX XVIII.

(Referred to in paragraph 316.)

War Scale of Lubricants for Mechanical Transport Vehicles, etc.

Description.	Fortnightly Allowance.							
	Grease, Lubricating, for M.T. Vehicles.	Oil.					Castor.	Rangoon.
		Lubricating.						
		Motor Lorries.	Motor Cars (or American Motor Lorry).	Motor Cycles.	Steam Cylinders, Thick.			
VEHICLES.	Lbs.	Galls.	Galls.	Galls.	Galls.	Pints.	Galls.	
Lorries, I.C. (a)	3	3½	2½	1	1	1	—	
Motor cars, vans and ambulances	2	—	—	—	—	—	—	
Motor cycles	—	—	—	1	—	—	1½	
Lorries, steam	5	—	—	—	—	—	—	
Tractors, I.C.	5	4	1½(b)	—	—	—	—	
Trucks (trailers)... ..	4(c)	—	—	—	—	—	—	
Workshop plant— Engine and (Mobile } Dynamo { Set } Machines (each power machine)	—	—	2½	—	—	—	—	

(a) For American lorries, American motor lorry or motor car oil should be used.—Allowance $4\frac{1}{4}$ gallons.

(b) During the winter months motor car oil may be added to motor lorry oil as necessary.

(c) 1 gallon of oil, steam cylinders, thick, may be issued in lieu.

APPENDIX XIX.

*(Referred to in paragraph 354.)*A.O. 470
1921INSTRUCTIONS FOR MARKING HORSE AND MECHANICAL
TRANSPORT VEHICLES AND BICYCLES.

REGIMENTAL MARKS.

1. All vehicles and bicycles forming part of the peace equipment of units will be marked with the title of the unit in whose charge they are held. In the case of Artillery Batteries, the letter of the sub-section will also be marked on vehicles.

The abbreviations to be used for titles of units are shown in Table 1.

The position of the marks will be as follows :—

Gun and howitzer carriages ... On trail, off side.

B.L. 9·2-inch howitzer—

Carriage, transporting—

Bed ... On rear of axletree, off side.

Body and cradle ... On rear of axletree between the axletree clips.

Limber, transporting—

Bed ...
Body and cradle ... } On front face of the frame draught between the upper and lower plates.

Wagon, transporting ... On off side of body between the bracket carriage body and the strut strap.

Limbers and ammunition wagons—

Q.F. 13 and 18-pdr. ... Centre of back of ammunition boxes.

B.L. 60-pdr.—

Gun limbers ... Back of off limber box, close to top.

Ammunition wagons and limbers ... Back of ammunition box, off side, close to top.

Limbers and ammunition wagons—

B.L. 6-inch 26-cwt. howitzer ...	Back of limber box, near side, close to top.
Q.F. 4·5-inch howitzer ...	Back of ammunition or limber box, off side, low down.
B.L. 6-inch gun and 8-inch howitzer	Back of limber box, near side, close to top.

Anti-aircraft equipments—

Mountings	On front of the pedestal.
Lorries or other transport ...	Off side, in most convenient position.

Railway truck equipments—

Mountings and trucks ...	} On either side, in most convenient position.
Wagons, ammunition ...	

Carts—

Tool, R.E.	Off side at front (on side frame).
Water tank, Mark IV ...	Off side of tank, at front.
Water tank, Marks V to VII ...	End of barrel, near side.

Kitchens, travelling	Rear of body and rear of limber, off side.
-----------------------------	--

Wagons—

Airline	Off side of front body, low down.
Cable	Off side of futchel of body, and off side of foot board of limber.
G.S., Mark IX	On diagonal portion of body under foot board, off side.
G.S., Marks X and X* ...	} Body of wagon, off side, at front.
Pigeon loft	
Limbered, G.S.	On rear of both portions, off side.
Pontoon (or trestle)	Off side, at front.
Telephone	On off block, supporting drum bearings of wagon body at front and on off side of limber box.

Other vehicles (if construction admits)	On body of vehicle, off side, as far to the front as possible and low enough to be clear of the cover. <i>Limbered vehicles will be marked on both portions.</i>
---	--

Bicycles Across the rear mudguard, 4 inches above the bridge, and on the upper side of the bottom tube commencing just clear of the bottom lug of the ball head.

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2. Vehicles forming part of, and stored with, mobilization equipment, will not be marked with the title of the unit for which they are held, whether they are on unit charge or stored by R.A.O.C.

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M.T. vehicles stored centrally under R.A.S.C. control for allotment to units on mobilization will not be marked with unit titles, but will bear their prescribed W.D. numbers, &c., only.

SYMBOLS DENOTING CLASS OF TRANSPORT.

3. During mobilization distinguishing marks, denoting the various classes of transport, will be painted on vehicles forming part of war outfit of units. The symbols to be used as distinguishing marks will be published later.

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MEDICAL UNITS.

4. All vehicles in possession of medical units will be marked with the Geneva Cross.

WEIGHT AND LOAD.

5. The "weight of vehicle" and the "weight of load the vehicle is designed to carry," as shown in List of Changes, will be marked on the near side of vehicles, as near the centre as possible, low down.

STATION TRANSPORT, &C.

6. Vehicles on charge of units for local purposes will be marked to show the purpose to which they are locally appropriated.

MECHANICAL TRANSPORT.

7. All M.T. vehicles will be numbered and the general register of numbers will be kept by the Officer i/c Vehicles' Records, M.T. Stores Depot. Vehicles will be numbered consecutively irrespective of class, but the following identifying letters will be allotted to each class; the serial numbers for this purpose will

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be issued by the M.T. Stores Depot to M.T. units in the Great Britain and Northern Ireland and to headquarters of overseas commands :—

- C. for motor cycles.
- M. for motor cars.
- V. for motor vans.
- A. for motor ambulances.
- L. for motor lorries.
- T. for tractors and trailers of all kinds.

The W.D. numbers will always be shown with the appropriate class letter mentioned above.

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8. *Method of marking.*—The following marks will be painted on all M.T. vehicles :—

- (a) Weights, &c., as required by law.
- (b) Registration number (if registered).
- (c) Designation of arm of service.
- (d) W. D. number and class letter.

9. The position of these marks will be :—

- (a) The authorized speed should be shown on the bottom of the near side of cab, the weights being shown in a corresponding position on the off side of cab. The weights to be shown are unladen weight—U.W. ; front axle weight—F.A.W. ; and hind axle weight—H.A.W.
- (b) On plates suspended at front and rear of chassis as required by law.
- (c) In the case of lorries, box vans and ambulances, on both sides of the body and the tailboard of the vehicle. A stencil plate to be obtained from the M.T. Stores Depot, Feltham, Middlesex, will be used for this purpose.

Cars, except those specially exempt (for which a metal plate to be fixed to the inside of the dash may be supplied locally), should be marked in 1-inch letters and figures on the outside of the dash on near side of car, the design taking the general form of the stencil used for other vehicles.

In the case of lorries, cars, box vans and ambulances, the W.D. number, in addition to being marked in the manner shown above, will also be marked in letters of convenient size on an accessible part of the near side member of the frame, in order to prevent loss of identity of the chassis, if at any time occasion arises to remove or exchange the body. In the event of any such changes the body number must in all cases be

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amended to tally with the number borne by the chassis to which it is attached.

Motor cycles will be marked on the near side of the petrol tank in letters and figures of convenient size.

- (d) The class letter will be placed below the corps initials, and the W.D. number below the class letter, thus :—

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M.

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in accordance with the stencil supplied.

10. In any case where it is desired for special reasons to modify the application of 9 (c) and (d) in the case of motor cars the matter will be referred to the War Office.

11. In the case of vehicles serving overseas 9 (a) and (b) will be governed by the local regulations on the subject.

GENERAL INSTRUCTIONS.

12. White paint will be used for the marking referred to in paragraphs 1, 2, 5, 6 and 8. The size and style of marking will be as laid down in Table 2. Stencils, paint and brushes will be supplied by the R.A.O.C.

13. Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station, will be at once carried out.

MOBILIZATION.

14. The marking referred to in paragraph 1 will be obliterated from all vehicles forming part of war equipment of units as soon as mobilization has been reported to be complete.

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Appendix XIX—continued.

TABLE 1.

ABBREVIATIONS TO BE USED FOR TITLES OF UNITS.

Unit.	Abbreviations.
General Headquarters	Gen. Hd. Qrs.
Headquarters of a Cavalry Division	Hd. Qrs. I Cav. Div.
Headquarters of a Division	Hd. Qrs. III Div.
Headquarters of a Cavalry Brigade	Hd. Qrs. 3 Cav. Bde.
Headquarters of an Infantry Brigade	Hd. Qrs. 5 Inf. Bde.
Headquarters of Cavalry Divisional Artillery	Hd. Qrs. Art. I Cav. Div.
Headquarters of Divisional Artillery	Hd. Qrs. Art. III Div.
Headquarters of Divisional Engineers... ..	Hd. Qrs. Eng. III Div.
Headquarters of Cavalry Divisional Royal Army Service Corps	Hd. Qrs. R.A.S.C. I Cav. Div.
Household Cavalry (composite) Regiment	Hld. Cav. Rgt.
Depot, Royal Horse Artillery	Dep. R.H.A.
R Battery, Royal Horse Artillery	R R.H.A.
5th Battery, Royal Field Artillery	5 R.F.A.
101 Company, Royal Garrison Artillery	101 R.G.A.
No. 1 Pack Battery, Royal Garrison Artillery	1 P. R.G.A.
Cavalry Brigade Ammunition Column	Cav. Bde. A.C.
2nd Brigade Royal Horse Artillery Ammunition Column	2 Bde. R.H.A. A.C.
Royal Horse Artillery Brigade Headquarters...	2 Bde. Hd. Qrs. R.H.A.
Divisional Ammunition Column—	
Headquarters	Hd. Qrs. Div. A.C. IV Div.
No. 2 Section	Div. A.C. 2 IV Div.
Royal Engineers—	
Field Squadron	2 Fd. Sqdn.
Field Troop	4 Fd. Trp.
Bridging Train... ..	2 Brg. Trn.
Fortress Company	20 Fort. Co.
Royal Corps of Signals—	
Signal Squadron	1 Sig. Sqdn.
Signal Troop	2 Sig. Troop.

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TABLE 1—*continued*.
Abbreviations to be used for Titles of Units.

Unit.	Abbreviations.
Royal Corps of Signals—	
Divisional Signals	3 Div. Sig.
Cable Section	Y Cable Secn.
Wireless Section	Z Wireless Secn.
1st King's Dragoon Guards	1 D.G.
3/6th Dragoon Guards	3/6th D.G.
The Royal Scots Greys	2 Dns.
4th Queen's Own Hussars	4 Hrs.
9th Queen's Royal Lancers	9 Lrs.
16/5th Lancers	16/5 Lrs.
Infantry Battalions	To be in accordance with the abbreviated regimental titles, as laid down in the official Army List.
2nd Tank Battalion	2 Tank Bn.
Brigade Headquarters, Tank Corps	Tank Bde. Hd. Qrs.
Tank Field Battalion	Tank Fd. Bn.
Armoured Car Group	A.C. Group.
Armoured Car Company	A.C. Co.
Tank Depot Battalion	Tank Depot Bn.
52 M.T. Company, R.A.S.C.	52 M.T.Co. R.A.S.C.
No. 2 Mobile Repair Unit, R.A.S.C.	2 M.R.U. R.A.S.C.
"A" Tyre Press, R.A.S.C.	A Tyre Press, R.A.S.C.
1st Tank Brigade M.T. Company, R.A.S.C.	1 Tank Bde. M.T. Co., R.A.S.C.
No. 1 Water Tank Company, R.A.S.C.	1 Water Tank Co., R.A.S.C.
4th Motor Ambulance Convoy	4 M.A.C.
1st Heavy Repair Shop, R.A.S.C.	1 H.R.S. R.A.S.C.
Royal Army Medical Corps—	
Cavalry Field Ambulance	3 Cav. Fd. Amb.
Field Ambulance	14 Fd. Amb.

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TABLE 2.

SIZE AND STYLE OF MARKING.

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Marking.	Size of Letters and Numerals on—		Style.
	Vehicles.	Bicycles.	
Weight and load of vehicle (see para. 5)	$\frac{3}{4}$ -inch	—	} Plain block, except division numeral, which will be "Roman."
All other regimental marks—			
Capitals and numerals	$1\frac{1}{2}$ -inch	$\frac{1}{2}$ -inch	
Remainder	1-inch	$\frac{3}{8}$ -inch	

APPENDIX XX.

*Referred to in paragraph 360.*TABLES SHOWING THE MATERIAL, TIME, AND WORK-
ING PAY ALLOWED FOR PAINTING VEHICLES, &c.8
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TABLE 1.—Quantity of Material for repairing bare places and painting one coat.

Description.	Paint Pre- pared. Service Colour.	Putty.	Remarks.
<i>Section No. 2A.</i>		lb. oz.	
Mnuls, G.S., heads (per doz.)	1 0	—	(a) Posts treated with jodelite or oil, mineral, preserving wood, will not require painting.
Posts, picket, 2½ feet (a)	1 2	—	
<i>Section No. 2B.</i>			
Barrows, hand, single	0 12	0 2	
<i>Section No. 11.</i>			
Barrows, stable	1 8	0 4	
<i>Section No. 14.</i>			
Bars, supporting draught pole (b)	—	—	
Poles, draught (spare), Nos. 17 and 18	1 0	—	
Wheels (spare), 2nd class, C, Nos. 43 and 45	1 4	0 2	
<i>Section No. 20.</i>			
Jacks, lifting, G.S.	0 4	—	
<i>Section No. 21A.</i>			
Carriage, ambulance }	1 8	0 4	
stretcher } collapsible	4 0	0 8	
ambulance, horse, Mark II	7 0	1 0	
brake	8 0	1 0	
chaise	8 0	1 0	
coal	12 4	1 4	
Carts { forage	9 8	1 2	
Gibraltar	8 8	1 0	
hand, common	5 0	0 12	
hand, diet	1 12	0 4	
Maltese	6 0	0 12	

(b) Paint for metalwork will be taken from quantity authorized for vehicles; woodwork will be treated with "oil, mineral, preserving wood," for which purpose 1½ gills a dozen bars may be demanded annually.

TABLE 1—*continued.* Materials for Painting Vehicles, &c.

TABLE 1—continued. Materials for Painting Vehicles, &c.				
Description.		Paint Prepared. Service Colour.	Putty.	Remarks.
Section No. 21A—continued.		lb. oz.	lb. oz.	
Carts	Officers' mess	4 0	0 8	
	tip, general service	9 8	1 0	
	tool, R.E.	3 8	1 0	
	water tank, Marks I* and II, and converted water barrel—			
	cart, without tank	5 0	0 8	
	tank	1 0	—	
	water tank, Marks IIA, IIB, and IIC—			
	cart, without tank	5 0	0 8	
	tank, with filtering apparatus ...	1 8	—	
	water tank, Marks III to VII complete	5 0	0 4	
Fittings, engine draught	watering, converted water tank—			
	cart, without tank	5 8	0 8	
	tank	1 0	—	
	Kitchens, travelling (c)—	2 0	—	
	Body	0 12	—	Also 2½ lbs. varnish, black vegetable.
	Limber	2 8	0 4	Also 1 lb. varnish black vegetable.
	Poles { bullock draught	1 0	0 2	
	{ mule draught	1 0	0 2	
	Poles, draught (spare)—			
	Nos. 7A, 8, 9, 14 and 20	1 0	—	
Seats, drivers, cart, water tank	Shafts, drivers, cart, water tank ...	1 8	0 4	
	Shafts (spare)—			
	Nos. 43, 44, 63 and 64	0 12	0 1	
	Struts, supporting mule pole	0 8	0 2	
	Swingletrees (spare)—			
	Nos. 11 and 13 (a doz.)	2 0	0 8	
	air line	14 0	2 0	
	ambulance { Marks V, V*, V** ...	14 0	2 0	(a) Also 5 lbs. of white paint for roof of Mark VI wagon.
	{ light	10 0	1 8	
	brake	15 0	2 0	(b) Also 2 oz. of white and 2 oz. of red for colouring leads.
Wagons	cable { body	5 0	1 0	
	{ limber (c)	6 0	1 0	
	G.S. { Marks IX to X*	15 0	2 0	
	{ R.E.	16 0	2 0	
	light, spring, R.E.	12 0	1 8	
	limbered { fore	5 0	0 12	
	{ G.S. { hind	5 0	0 12	
	{ pack, wireless... ..	7 0	1 0	
	{ R.E.	6 0	1 0	
	{ wireless telegraph	6 8	1 8	
oven, steam —				
oven (c)		—	—	(c) 3 lb. 4 oz. Brunswick black.
body (with wheels)		5 8	0 8	
pigeon loft		8 0	1 8	
pontoon		12 0	2 0	

(d) The following materials are allowed annually for the preservation of travelling kitchens :—

Section No. 9A.

Bath-bricks...	...	...	1
Mineral jelly, red	...	lbs.	3
Soda crystals	...	"	6
Soap, yellow	...	bars	2

TABLE 1—continued. Materials for Painting Vehicles, &c.

Description.				Paint Pre- pared. Service Colour.	Putty.	Remarks.				
Section No. 21A—continued.										
Wagons	{	range {	{	lb. oz.	lb. oz.	(a) Also 2 oz. of white and 2 oz. of red for colour- ing leads.				
				8 0	1 0					
				7 0	1 0					
				6 8	1 0					
Wheels (spare)	{	{	{	1 0	0 3					
				No. 204 ...	1 0		0 3			
				Nos. 198, 198A, 199, 200, 200A and 206 ...	1 0		0 3			
				Nos. 159 and 159A ...	0 12		0 2			
				" 46 " 48 ...	0 6		0 2			
				3rd class, B {	143, 145, 147 and 158 ...		0 14	0 2		
				Nos. 150 ...	0 6		0 2			
				Section No. 29C.						
				Pontoons, bipartite	...		...	...	16 8	2 0
				Section No. 29D.						
Trucks, miners	...	...	...	0 12	0 2					

				Paint prepared service colour.	Japan, best black.	Varnish, hard drying, body.	Paint, red lead.	Turpentine.	Putty or filler elastic.	Brushes, paint.				
				lbs.	pints.	pints.	lbs.	pints.	lbs.	1-inch, flat.	2-inch, flat.	No. 8 Fitch.	No. 10 Fitch.	
N.I.V. (M.T.)														
Tractor	{	{	{	I.C. ...	40	—	1	—	2	2	—	(a)	(a)	(a)
				steam ...	36	2	1	2	2	2	—	(b)	(b)	(b)
				23 ...	23	2	1	2	2	2	—	(c)	(c)	(c)
Lorry	{	{	{	I.C. ...	36	2	1	2	2	2	—	(b)	(b)	(b)
				steam ...	36	2	1	2	2	2	—	(c)	(c)	(c)
				armoured ...	42	2	1	—	2	2	—	(a)	(a)	(a)
Motor	{	{	{	car, armoured ...	28(g)	2	1	—	2	2	—	(a)	(a)	(a)
				van, heavy ...	14	2	1	—	2	2	—	(d)	(d)	(d)
				van, light ...	14	2	1	—	2	2	—	(c)	(c)	(c)
				ambulance ...	21(h)	—	1	—	2	2	—	(c)	(c)	(c)
				car ...	(i)	6	1	(j)	2	2	—	(c)	(c)	(c)
				cycle and combination	3	—	1	—	—	—	—	(f)	(f)	(f)

NOTE.—Special paints for motor cars requiring coach finish to be demanded as necessary.

- (a) 1 for 1 to 5 vehicles. (b) 1 for 1 to 7 vehicles. (c) 1 for 1 to 6 vehicles.
 (d) 1 for 1 to 8 vehicles. (e) 1 for 1 to 12 vehicles. (f) 1 for 1 to 21 motor cycles.
 (g) Also 14 lbs. paint, white. (h) Also 7 lbs. enamel, white.
 (i) 6 lbs. paint, service green; 6 lbs. paint, lead colour; and 2 lbs. of enamel, green.
 (j) Also 2 lbs. of paint, white lead.

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TABLE 1—*continued*. Materials for Painting Vehicles, &c.

Description.	Composition for Canvas.			Remarks.
	Red.	Service Colour.	White.	
<i>Section No. 5B.</i>	lb. oz.	lb. oz.	lb. oz.	Covers made of waterproof material dyed khaki or service colour will be treated with composition for canvas only when the covers have become bleached. (b) Only those made of khaki or service colour canvas will be painted.
Packsaddlery, G.S., covers, 6 ft x 6 ft., G.S.	—	3 0	—	
<i>Section No. 12.</i>				
Covers { fire escape	20 0	—	—	
{ hose reel	4 0	—	—	
<i>Section No. 21A.</i>				
Covers, { chaise	—	6 0	—	
{ forage	—	6 0	—	
{ cart { Maltese	—	8 0	—	
{ tip, general service... ..	—	5 0	—	
Covers, wagon, G.S., Mark IX to X*	—	13 0	—	
Wagons, ambulance, Mark VI—				
Hoods and curtains (b)	—	—	5 0	

TABLE 2.—Time and Working Pay allowed for Scraping, Cleaning, and Painting.

Description.	Scraping and cleaning.(a)	Stopping, painting bare places, and one coat.(b)	8 F.R. 520
	Time.	Time.	
<i>Section No. 2A.</i>			
Mauls , G.S., heads a dozen	—	1 45	
Posts , picket, 2½ feet... .. „	1 0	1 0	
<i>Section No. 2B.</i>			
Barrows , hand, single	0 45	0 45	
<i>Section No. 5B.</i>			
Packsaddlery , G.S., covers, 6 feet × 6 feet, G.S.	—	1 0	
<i>Section No. 11.</i>			
Barrows , stable	1 0	1 30	
<i>Section No. 12.</i>			
Covers { fire escape... ..	—	3 0	
{ hose reel	—	0 40	
<i>Section No. 14.</i>			
Bars , supporting draught pole a dozen	1 0	1 0 (c)	54
Poles , draught, Nos. 17 and 18 ... (spare)	0 15	0 20	Artillery
Wheels , 2nd class, C, Nos. 43 and 45 (spare)	0 30	1 0	5111
<i>Section No. 20.</i>			
Jacks , lifting, G.S.	0 30	0 30	

(a) Working pay at the rate of one penny for each hour is issuable for this service.

(b) Working pay at the rate of three halfpence for each hour is issuable for this service.

(c) Oiling.

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TABLE 2—continued. Time and Working Pay.

Description.	Scraping and cleaning. (a)	Stopping, painting bare places, and one coat. (b)
	Time.	Time.
<i>Section No. 21A.</i>		
Carriages { ambulance, stretcher	1 0	2 0
{ " " collap- { sible	2 0	3 0
{ ambulance, horse, Mark II	3 0	8 0
{ brake	4 0	8 0
{ chaise	4 0	8 0
{ coal	5 0	9 30
{ forage	4 0	8 30
{ Gibraltar	3 30	7 0
{ hand, common	2 0	4 30
{ hand, diet	1 0	2 0
{ Maltese	2 0	4 30
{ officers' mess... ..	3 0	4 0
{ tip, general service	4 0	8 30
{ tool, R.E.	5 0	9 30
Carts { water tank, Marks I* and II, and { converted water barrel— { cart, without tank	2 0	4 30
{ tank	0 30	1 0
{ watertank, Marks IIA, IIB, and IIC— { cart, without tank	2 0	4 30
{ tank, with filtering apparatus	1 0	1 30
{ water tank, Marks III to VII, com- { plete	3 0	8 0
{ watering, converted water tank— { cart, without tank	2 0	4 30
{ tank	0 30	1 0
{ { chaise	—	2 0
{ { forage	—	2 0
Covers { { Maltese	—	2 45
{ { tip, general service	—	1 40
{ wagon, G.S., Marks IX and X*	—	5 20
Curtains and hood, wagon, ambulance, Mark VI (c)	—	5 0

(a) Working pay at the rate of one penny for each hour is issuable for this service.

(b) Working pay at the rate of three halfpence for each hour is issuable for this service.

(c) See note (f), page 293.

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TABLE 2—*continued.* Time and Working Pay.

Description.	Scraping and cleaning.(a)	Stopping, painting bare places, and one coat.(b)
	Time.	Time.
<i>Section No. 21A—continued.</i>		
	H. M.	H. M.
Wheels { 2nd Class, C, Nos. 198, 198A, (spare) { 199, 200, 200A, 204 and 206 ...	0 40	1 0
{ Nos. 46, 48 and { 150 ...	0 30	0 45
{ 3rd Class, B { Nos. 143, 145, { 147 and 158 ...	0 40	1 0
{ Nos. 159 and { 159A ...	0 30	0 40
<i>Section No. 29c.</i>		
Pontoons, bipartite	5 0	10 0
<i>Section No. 29d.</i>		
Trucks, miners	0 15	0 45

(a) Working pay at the rate of one penny for each hour is issuable for this service.

(b) Working pay at the rate of three halfpence for each hour is issuable for this service.

TABLE 3.—Quantity of Paint allowed for Marking.

Nature of Marking.		No. of letters, &c.	Quantity of paint.(a)	
Letters or figures	$\left\{ \begin{array}{l} 1\frac{1}{4}\text{-in. type} \dots \dots \dots \\ \frac{1}{4} \text{ " " } \dots \dots \dots \\ \frac{3}{4} \text{ " " } \dots \dots \dots \\ \frac{1}{2} \text{ " " } \dots \dots \dots \\ \frac{1}{2} \text{ " " } \dots \dots \dots \\ \frac{1}{2} \text{ " " } \dots \dots \dots \end{array} \right.$	200	oz. 14	
		200	3	
		200	3	
		200	3	
		200	3	
		200	3	
			Bright red.(b)	White.(b)
Geneva cross: -			lbs. oz.	lbs. oz.
6 ft. x 4 ft. 3 in. x 1 ft. 3 in.	...	2	2 8	3 0
5 ft. 6 in. x 3 ft. 6 in. x 1 ft.	...	2	2 0	2 8
5 " 6 " x 2 " 9 " x 1 "	...	2	1 14	2 4
4 " 0 " x 3 " 0 " x 1 "	...	2	1 9	—
3 " 6 " x 2 " 6 " x 9 in.	...	2	1 0	—
1 " 8 " x 1 " 8 " x 6 "	...	2	0 6	0 10
13 $\frac{3}{4}$ in. x 13 $\frac{3}{4}$ in. x 4 $\frac{1}{2}$ in.	...	2	0 3 $\frac{1}{2}$	0 3 $\frac{1}{2}$
1 ft. x 1 ft. x 4 in.	...	2	0 2 $\frac{1}{2}$	0 2 $\frac{1}{2}$
10 in. x 9 in. x 3 in.	...	2	0 1 $\frac{1}{2}$	0 1 $\frac{1}{2}$
9 " x 8 " x 2 $\frac{3}{4}$ in.	...	2	0 1	0 1

N.B.—1 pint of turpentine for each lb. of paint will be allowed.

(a) Less than 4-lb. paint should not be issued.

(b) For Geneva crosses on canvas covers the special red and white composition for canvas will be used.

On ambulance vehicles having covers of white material, the sectors between the arms of the cross will not be painted white.

APPENDIX XXI.

*(Referred to in paragraph 188A.)***MATERIALS, TIME AND WORKING PAY FOR CLEANING
AND PAINTING MACHINE GUNS.**

"Paint, prepared for use, khaki colour, special, oil and gas proof for machine guns" will be used for painting machine guns, mountings and metal boxes, and ordinary "service colour" paint for painting wood boxes and chests.

Description of Guns, Mountings, &c.	Parts to be painted.	Allowance for 100 for one coat.	Cleaning (a)		Painting (b)	
			Time for each article.		Time for each article.	
			h.	m.	h.	m.
Guns, machine, Hotchkiss, "303-inch (c)	Barrel (including spare) and handguard	lbs. 2 $\frac{3}{4}$	0	15	0	45
Guns, machine, Lewis, "303-inch	Radiator casings and ex- posed surfaces of trigger guard... ..	4 $\frac{1}{2}$	0	10	0	20
Guns, machine, Vickers, "303-inch	Barrel casing and exposed surfaces of feed block when latter is of gun- metal	4 $\frac{1}{2}$ 1 $\frac{1}{2}$	0	10	0	20
Magazines, Mark I, Lewis "303-inch M.G.	Externally only	1 $\frac{1}{2}$	0	10(d)	0	20(d)
Mounts, field, Lewis "303- inch M.G. Mark 171	All over	1 $\frac{1}{2}$	0	5	0	10
Mountings, tripod, "303- inch M.G., Mark IV (in- cluding carriers, ammuni- tion, belt box)	All over, excepting gun and joint pin bearing surfaces, screw threads of elevating gear, and stems of joint pins ...	12	0	30	1	0
Mountings, tripod, Hotch- kiss "303-inch M.G.	All over, excepting gun bearings and frictional surfaces	1 $\frac{1}{2}$	0	5	0	10
Boxes, belt, ammunition, M.G., Nos. 7, 8 and 9, Mark I (metal)	Externally (and internally where necessary)	11	0	10	0	20
Boxes, carrier, magazine, Lewis "303-inch M.G. (metal)	Externally (and internally where necessary)	19 $\frac{1}{2}$	0	10	0	20
Boxes, ammunition feed strips, Hotchkiss "303- inch M.G. (wood)	Externally	7	0	5	0	10
Chests, machine filling, "303-inch belts No. 1, Mark III (wood)	Externally	14	0	5	0	10
Chests, Vickers or Lewis "303-inch M.G. (wood)	Externally	25	0	15	0	45

(a) Working pay at the rate of one penny for each hour is issuable for this service.

(b) Working pay at the rate of three halfpence for each hour is issuable for this service.

(c) See also para. 21589 L. of C.

(d) For 10 magazines.

APPENDIX XXII.

Repair of Field Rangefinders.

Referred to in paragraph 281.

1. Field rangefinders in possession of units will be periodically tested in accordance with Musketry Regulations, Part I, and R.A.O.S., Part I.

2. When instruments are found to require repairs or adjustments which cannot be carried out by the unit (see handbook of the instrument), an indent on A.F. G 1045 in duplicate, showing the nature of the repairs required, will be forwarded to the C.O.O., who will, if possible, arrange for the work to be carried out locally under paragraph 6.

3. When the repairs cannot be carried out locally the unit will be instructed to return the defective instruments to store and to demand fresh ones. The defective instruments will be sent to Woolwich by the O.O.

The registered numbers of instruments will be quoted on all vouchers and demands.

4. Instruments despatched either to or from an ordnance depot will be very carefully packed. The instruments, in their cases, will be packed with tow, hay, or other suitable material, in a wooden box. The box should be marked conspicuously "Glass, with care," and should contain a packing note (A.F. G 1028) duly completed.

5. When telemeter cords are broken care must be taken to make them up again to the correct length.

6. Field range-finders may be repaired locally under the supervision of an I.O.M. as follows :—

TELEMETERS.

Telescopes.—Fit new eye-pieces, object glasses, caps, bodies and guards.

Mirrors.—Fit new horizon and index mirrors.

Cases and Pickets.—All repairs.

RANGEFINDERS, INFANTRY, No. 2.

Instruments.—Minor repairs to the mechanical (as distinct from the optical) parts.

Cases and Stands.—All repairs.

APPENDIX XXIII.

Referred to in paragraph 419.

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF FLUTES AND PICCOLOS.

1. The player in whose care the instrument is placed must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick; a slight gloss in the bore is all that is required.

2. After use the moisture must be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush must be passed through the bore.

3. To protect the wood from splitting, the instrument must not be placed in the sun, nor laid on cold stone or iron while warm or wet inside, and the cleaning rag must not be forced through the bore.

INSTRUCTIONS FOR LAPPING DRUM HEADS.

1. The head should be steeped in water for 15 minutes, then folded and left for half an hour.

If left too long in water the head will waste away and become rotten.

2. All superfluous moisture should then be removed from the head, which should be lapped well round the flesh hoop so as to bring the edge of the head well round to the outer side of the hoop. Avoid lapping the head too tight, as it draws the hoop out of shape.

3. The head should then be fitted to the drum and left for two or more days according to the weather, so that the vellum under the hoop may get thoroughly dry before being taken into use. If this point is not attended to, the head will most likely give way round the edges soon after the drum is "slung" up; it is, therefore, advisable to take the head off, and if found to be the least damp round the edge, leave it to get quite dry before putting it on again.

4. The drying of the heads must not be hastened by artificial means such as putting them by the fire or in the sun; a cool, dry air is best.

APPENDIX XXIV.

Referred to in paragraph 32.

Conditions Governing the Sale of Carbines and Rifles.

Carbines or rifles, of any service pattern, may be issued on prepayment, under the following conditions, to :—

Officers of the regular forces.

Officers, warrant officers, N.C.Os. and men of the Militia.

Conditions.

1. Issues, which will be limited to one arm of each type for each officer, warrant officer, N.C.O., or man, will be authorized on the distinct understanding that the arms are not required for the purposes of sale or trade.

2. All carbines or rifles must be obtained from Weedon, and are not to be issued on prepayment from local stock. They will be demanded through the usual channels on quarterly indents, which should be submitted so as to reach Weedon on the 1st January, 1st April, 1st July, and 1st October.

A nominal roll showing the ranks, names, and units of the individuals for whom arms are demanded should accompany each indent.

3. Prior to despatch from Weedon a special sale mark  will be applied to all carbines or rifles issued for sale, and only such arms will be issued on prepayment.

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4. Local stocks of arms bearing the special sale mark will not be held in anticipation of prepayment demands.

5. The vocabulary rate current at date of issue, plus 1s. per arm to cover the cost of special sale marking, will be charged and recovered locally by the command paymaster.

6. All carbines or rifles sold under the foregoing conditions will become the personal property of the purchaser, and will not be accounted for in the equipment ledgers of units.

7. Spare parts and components may also be supplied on prepayment for the repair of service arms issued under the foregoing instructions. Barrels with bodies must be obtained from Weedon in the manner prescribed for complete arms. They will be marked with the special sale mark, for which a charge of 1s. in addition to vocabulary rate will be made. Credit for replaced parts, if returned to store, cannot be allowed.

APPENDIX XXV.

Referred to in paragraph 290.

Chests, Clothing, or School Materials (or Boxes, Clothing
or Schoolmasters).

						Number for each unit.
Cavalry regiments—						
Household Cavalry	...	...	...	...	...	4
Other regiments	...	...	...	...	..	1
Royal Artillery—						
Bands {	Aldershot	...	...	...	...	1
	Woolwich	...	...	...	...	1
	Bulford	...	...	...	...	1
	Shoeburyness...	...	...	...	...	1
	Portsmouth	...	...	...	...	1
Royal Engineer Band, Chatham...						1
Foot Guards—						
Battalions	...	...	...	...	...	2
Depot	...	...	...	...	...	1
Infantry battalions						1

APPENDIX XXVI.

DETAIL OF ACCESSORIES OF A PANNIER, MEDICAL
COMFORT.(For contents see *Field Service Manual, Royal Army Medical Services.*)

Description.	Number.	Remarks.	
<i>Section No. 9B.</i>			
Bottles , tin, methylated spirits, 1½-pint ...	1	} These articles will be held on separ- ate ledger charge.	
<i>Section No. 12.</i>			
Corkscrews	2		
Knives , opening tin	2		
Measures , tin { 1-pint ½ " " " " " " 1-gill ½ " " " " " "	1		
	1		
	1		
	1		
Warmers , food, spirit lamp	1		
<i>Pimlico Section No. 19.</i>			
Knives , table	1		

APPENDIX XXVII.

DRAWING INSTRUMENTS FOR USE IN OFFICES IN
WHICH A GENERAL STAFF ASSISTANT IS EMPLOYED.*Referred to in paragraph 291.*

Description.	Number.
<i>Section No. 8d.</i>	
Boards { drawing, imperial	1
{ sketching { common	1
Mark IV	1
Cases, compass, prismatic	1
Clinometers, mirror	1
Cases	1
Compasses, magnetic, plane table	1
Compasses, prismatic, Mark VIII	1
Compasses, proportional, 6-inch	1
Instruments, drawing, G.S.... sets	1
Protractors, rectangular, 6-inch, wood, "A"	1 (a)
Rods, measuring, common, 6-feet	1
Roof-pitches, $\frac{1}{2}$ pitch...	1
Rulers, parallel, rolling, 9-inch	1
Rules { architects	1
{ sight, 16-inch... ..	1
Scales, mathematical, { No. 5	1
boxwood { No. 8B	1
Set-squares, celluloid, 6-inch, 45°	1
Straight-edges, 48-inch	1
T-squares, 36-inch, mahogany	1
Tables, plane, portable, Mark II	1
Tapes, measuring, metallic woven, 50-feet...	2
<i>Section No. 11.</i>	
Brushes, paint, oval	2
<i>Section No. 12.</i>	
Scissors, paperhangers pairs	1
(a) Or Protractors tangular, 6-inch, ivoryine, "A," Mark III.	

APPENDIX XXVIII.

Specimens of Ammunition Labels referred to in paragraph 200.

Label 291 G

1100
CARTRIDGES
S.A. BALL
.303 Inch
EXAMINED 1918
Mark VII [↑] I.S.A.A.

164

1000
CARTRIDGES
EXAM^d 1921 SERVICE
S.A. BALL
.303 Inch
In BANDOLIERS
12 1 10 1916
Mark VII [↑] I.S.A.A.

L. 164

1000
CARTRIDGES
S.A. BALL
.303 Inch
In BANDOLIERS
1 4 19
G Mark VII [↑] I.S.A.A.

LJ513

RE-EXAMINED
I.S.A.A.

BM

18-1-1922

L.1277

1248
CARTRIDGES
S.A. BALL
.303 Inch
BUNDLE PACKED
1 1 1921
Mark VII [↑] I.S.A.A.

APPENDIX XXIX.

A.O. 423

1920

8

Equip.

534

**DETAIL OF SET OF STORES FOR INSTRUCTION OF
TELEPHONISTS, ROYAL HORSE AND ROYAL FIELD
ARTILLERY.**

Referred to in paragraph 288.

Description.	Number or quantity.
<i>Section No. 9A.</i>	
Acid , sulphuric, refined (diluted) pint	1
<i>Section No. 28B.</i>	
Bell pushes , circular, wood	1 (a)
Bells , battery, Mark IV	1
Cells , Leclanche, J.	2 (a)
Cells , dry and inert (cut through to show section)...	As required. To be provided by unit.
Detectors , Q. and I.	2
Terminals , electrical instruments {	double, No. 6 .. 12 (a)
	single, No. 6 ... 12
Wire , electric {	T. 3 feet 110
	U. 1 yards 6 (a)
<i>N.I.V.</i>	
Cells , voltaic, simple (requires sulphuric acid, <i>Sec. No. 9A</i>)	1
<i>Section No. 29A.</i>	
Buzzers {	D., Mark III 1 (a)
F.	1 (a)
	1 (a)
Condensers , D	1 (a)
Keys , D	1 (a)
Fullerphones , Mark III—	
Coils {	choke 2 (a)
	induction 1 (a)
Condensers	3 (a)
Keys , signalling	1 (a)

(a) To be made up locally into instructional models of Telephones, set D, Mark III, and Fullerphones, Mark III*, mounted on boards and connected up by flexible wires.

NOTE.—The stores shown under "N.I.V." should be obtained by local purchase.

Description.	Number or quantity.	A.O. 423 1920 8 Equip. 534
<i>Section No. 29A—contd.</i>		
Fullerphones, Mark III—contd.—		
Potentiometer	1 (a)	
{ battery, cut-out	1 (a)	
Switches { call and receive	1 (a)	
{ potentiometer	1 (a)	
Terminals, line	1 (a)	
Jacks, No. 8A	1 (a)	
Microphones, capsule, Mark I	1 (a)	
Plugs, No. 406	1 (a)	
Receivers { headgear, W, double	1 (a)	
{ watch, D, Mark III (or E or W No. 1)... ..	1 (a)	
Telephones, hand, D, Mark V	2 (a)	
Telephone sets, D, Mark III, platforms	1 (a)	
<i>N.I.V.</i>		
Coils, induction, instructional set	1	
Compasses, needle, agate centre, 6-inch	1	
Pivots	1	
Fillings, iron bottle	1	
Galvanometers, moving coil, for class instruction ...	1	
Glass, plate 15-inch by 12-inch (with smooth edges) sheet	1	
Lodestones, specimen	1	
Magnets { bar, pair in case	1	
{ electric	1	
Oersted experiment	1	
Rods, iron, soft	1	

(a) To be made up locally into instructional models of Telephones, set D, Mark III, and Fullerphones, Mark III*, mounted on boards and connected up by flexible wires."

NOTE.—The stores shown under "N.I.V." should be obtained by local purchase.

A.O. 31
1922

APPENDIX XXX.

(Referred to in paragraph 31.)

Free issue of revolvers, binoculars and prismatic compasses to officers on first appointment to permanent commissions in the Regular Army.

1. Free initial issues of the items authorized by paragraph 31 will be made as follows :—

Item.	Cavalry.	R. A.	R. E.	R. C. S.	Infantry and Foot Guards.	Tank Corps.	R. A. S. C.	R. A. M. C.	R. A. V. C.	R. A. O. C.	A. E. C.
Revolvers	1	1	1	1	1	1	1	(a)	1	1	1
Binoculars, prismatic, grati- culed	1	1	1	1	1	1	...	...	...	...	...
Binoculars, prismatic, ungrati- culed	...	...	...	...	...	...	1	1	1	1	1
Cases, compass, pris- matic	1	1	1	1	1	1	1	1	1	1	1
Compasses, prismatic	1	1	1	1	1	1	1	1	1	1	1

(a) Revolvers will not be issued to officers of the R.A.M.C., but issue on loan may be authorized to such officers when serving in an area of active operations provided the G.O.C. determines that such issue is necessary.

2. Issue of these items will not be made to directors of music, to the staff for R.E. services or to officers who have previously had free issues made to them while cadets at the Royal Military Academy or Royal Military College.

3. Issues will be made by the R.A.O.C. on receipt of indent from the officer's commanding officer. Such indents must show the names of the officers for whom the articles are demanded. Indents will be submitted within 3 months from the date on which the officer is first appointed to a commission.

4. The articles will be brought on charge in the equipment account and the issue in that account will be supported by the officer's receipt.

5. Revolvers, binoculars and compasses will, on issue to officers be marked with the "Sale Mark" and will be maintained in a serviceable condition by officers at their own expense.

APPENDIX XXXI.

*(Referred to in paragraph 157.)*A.O. 239
1922RETURN OF DEFICIENCIES IN MOBILIZATION EQUIPMENT AND
RESERVISTS' OUTFITS.

On charge of (unit).....

(Station).....

(Date).....

Reservists' outfits actually stored—

Rifles..... Pistols..... Cavalry swords.....

Accoutrements, sets..... Clothing, sets.....

To be completed by unit.			To be completed by R.A.O.C.		
Description of stores.	No. or quantity deficient.	Indent No. and date on which demanded.	Action taken under para. 484, R.A.O.S., Part I.	I.O. Nos. of demands for stores due from C.O.Ds. (para. 6 (a), A.F. G 1081).	Remarks of C.O.O., C.O.D., as to state of supply (para. 6 (a), A.F. G 1081).

APPENDIX XXXII.

(Referred to in paragraph 299.)

54
Infy.
4557

INSTRUCTIONS AND PRECAUTIONS FOR HANDLING AND STORAGE OF S.K. (LACHRYMATORY FLUID).

1. A respirator will be worn at all times when S.K. is being handled. Training respirators afford adequate protection, but care is to be taken to ensure that the canisters are not perforated or punctured in any way.

2. S.K. may be safely transferred from one vessel to another by pouring, using a funnel, preferably of glass. A well-fitting cork is a sufficient seal for a bottle containing S.K. Cork is slowly eaten away by S.K., and a spare cork will therefore be kept tied to the bottle.

3. S.K. *liquid* may cause blisters on the skin unless the place is properly treated. If, therefore, any of the liquid is dropped on the skin it should be wiped off *immediately*, and the place washed with soap and hot water. In the event of the liquid coming in contact with a cut or open wound, medical treatment should be obtained at once, as the affected part is liable otherwise to become septic.

4. S.K. spilled on the ground is very difficult to eradicate. The best method of procedure is to remove the earth affected and bury it.

5. S.K. spilled on the floor will be wiped up at once with a rag, which will be destroyed. The place contaminated will then be wiped alternately with rags dipped in—

(a) Methylated spirit.

(b) Hot water containing washing soda.

6. S.K. will be stored in a cool place and can be kept quite safely under cover in glass carboys or glass bottles. No special precautions are necessary, but it is essential that the building should be well ventilated so that the gas from any leaks that may occur can be readily dissipated.

7. S.K. is definitely toxic in its action when the concentration is high, but at lower concentrations lachrymation is practically its sole effect. Due care and supervision will therefore be exercised on all occasions in regard to the exposure of personnel to its effects.

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SUPPLY, TRANSPORT, AND BARRACK SERVICES. Regulations. 1915. 6d. (7d.)

SURVEYING. Topographical and Geographical. Text Book of. Second edition. 1913. 7s. 6d. (6s. 8d.)

Ditto. 1905. Appendix XI. Tables for the Projection of Graticules for squares of 1° side on scale of 1:250,000, and for squares of ½° side on scale of 1:125,000; with other Tables used in Projecting Maps. 4d. (5d.)

Ditto. 1905. Appendix XII. Tables for the Projection of Graticules for Maps on the scale of 1:1,000,000. 1910. 2d. (2d.)

TACTICAL RIDES AND TOURS ON THE GROUND. The Preparation and Conduct of. Translated from the German. 1s. 3d. (1s. 2d.)

TECHNICAL PAPERS. I. Approximately Rigorous Adjustment of Simple Figures (with Diagrams). June 1919. 2s. 6d. (2s.)

TELEGRAPHY AND TELEPHONY. Army. Instruction in:—

Vol. I. Instruments. 1908. (Reprinted, with Corrections, 1914.) 1s. 6d. (1s. 6d.)

Vol. II. Lines. 1909. (Reprinted, with Corrections, 1914.) 1s. (1s.)

Ditto. Revised Chapter I. Field Cables. Provisional. 1d. (2d.)

Ditto. Amendment, April 1918. Revised para. 67. 1d. (2d.)

TERRITORIAL FORCE. (See also EQUIPMENT and EXAMINATION):—

Annual Return for Year ending Sept. 30, 1920. 4s. (3s. 2½d.)

Cadet Infantry Training. Manual of. (Reprinted, 1921.) 1s. (10d.)

Cadet List. 1922. A List of Cadet Units which have received Official Recognition up to Dec. 31, 1921. 6s. (4s. 9½d.)

Cadet Units in the British Isles. Regulations governing the Formation, Organization, and Administration of. 1921. 3d. (3d.)

Field Kits. Officers and Men. 1d. (2d.)

Hospitals, General, of the. Regulations for. 1912. 2d. (4d.)

Medical Corps. Royal Army. Syllabus of Training. 1914. 1d. (2d.)

Mobilization of a Territorial Infantry Battalion. (Reprinted from THE ARMY REVIEW, July 1913.) 3d. (5d.)

Nursing Service. Standing Orders. 1912. (Reprinted, with Amendments, 1914.) 1d. (2d.) See also HOSPITALS and NURSING SERVICE.

Pay duties during Embodiment. Instructions in. 2d. (3d.)

Regulations for the (including the Territorial Force Reserve) and for County Associations. 1912. (Reprinted, with Amendments published in Army Orders to Dec. 1, 1914.) 6d. (9d.)

Voluntary Aid:—

Scheme for the Organization of, in England and Wales. Dec. 1910.

(Out of print)

Ditto. Ditto. Amendments. 1d. (1d.)

Ditto, in Scotland. Oct. 1911. 2d. (4d.)

Ditto. Ditto. Amendments. 1d. (2d.)

TRACTOR TRIALS held by the Experimental Sub-Committee of the Mechanical Transport Committee at Aldershot, Sept. and Oct. 1903. Report on. 6d. (6d.)

TRAINING AND MANŒUVRE REGULATIONS. 1913. 4d. (5d.)

TRAINING MANUAL FOR ROYAL ARMY MEDICAL CORPS TERRITORIAL FORCE CADETS. (Provisional.) Sept. 1920. 2s. 6d. (1s. 11d.)

(As to prices in brackets, see top of page 2.)

TRANSPORT. MECHANICAL:—

Heavy Pontoon Bridge for use by. 1914. Provisional. 2*d.* (3*d.*)
Regulations for the Appointment of Inspectors of. 1*d.* (2*d.*)

TRANSPORT. PACK. Notes on. (Reprinted, with Amendments, 1916). 1*d.* (2*d.*)

TROOPS. See MOUNTED and NUMBER.

TRUMPET and BUGLE SOUNDS for the Army. With Instructions for the Training of Trumpeters and Buglers. 1914. 9*d.* (10*d.*)
Ditto, Amendments, July 1917. 1*d.* (2*d.*)

TYPE EXERCISES. See SCHOOLS.

TYPHOID (ANTI-) COMMITTEE. Report. 1912. 2*s.* 6*d.* (2*s.* 2*d.*)

TYPHOID (ANTI-) INOCULATION COMMITTEE. Report on Blood Changes following Typhoid Inoculation 1905. 1*s.* 6*d.* (1*s.* 4*d.*)

URDU-ENGLISH PRIMER. For the use of Colonial Artillery. 1899. 1*s.* (1*l.*s. 5*d.*)

VALISE EQUIPMENT. Instructions for Fitting:—
Bandolier pattern. 1903. 2*d.* (2*d.*)

See also EQUIPMENT.

VALPARAISO. The Capture of, in 1891. 1*s.* (11*d.*)

VENEREAL DISEASE. See MEDICAL SERVICES.

VETERINARY CORPS. Royal Army. Standing Orders. 1920. 6*d.* (6*d.*)

VETERINARY MANUAL (WAR). 1915. 1*d.* (1*d.*)

VETERINARY SERVICES. Army. Regulations. 1906. (Reprinted, with Amendments to Dec. 31, 1917.) 3*d.* (3*d.*)

VOLUNTARY AID. See TERRITORIAL FORCE.

VOLUNTEER ACTS, 1863, 1869, 1895, 1897, and 1900, except where repealed. Reprint of: Extracts from Regulation of the Forces Acts 1871 and 1881, and Reserve Forces Acts 1890; and Order in Council of February 5, 1872. 1*d.* (2*d.*)

VOLUNTEER LIST. Oct. 1919. 1*s.* 6*d.* (1*s.* 4*d.*)

WAR GRAVES COMMISSION. IMPERIAL:—

War Graves. How the Cemeteries abroad will be Designed. Report Nov. 14, 1918, by Lieut.-Colonel Sir Frederic Kenyon, K.O.B., Director of the British Museum. 3*d.* (4*d.*)

The Graves of the Fallen. Descriptive Account, by Mr. Rudyard Kipling, of the Work of the Commission; Illustrations, by Mr. Douglas Macpherson, showing the Cemeteries and Memorials as they will appear when completed. 6*d.* (6*d.*)

WAR OF 1914-20:—

Despatches (Naval and Military) relating to Operations in the War:—

- I. Sept., Oct., and Nov. 1914. With List of Honours and Rewards Conferred. (Reprinted 1921.) 1*s.* 6*d.* (1*s.* 4*d.*)
- II. Nov. 1914 to June 1915. With Names of Officers Mentioned, and Awards of the Victoria Cross. 6*d.* (8*d.*)
- III. July to Oct. 1915. With names of Officers and Men mentioned, and Awards of the Victoria Cross. 3*d.* (5*d.*)
- IV. Dec. 11, 1915, from General Sir Ian Hamilton, G.O.B., describing the operations in the Gallipoli Peninsula, including the Landing at Suvla Bay. 2*d.* (4*d.*)
- V. Jan. to April 1916. With Names of Officers and Men mentioned, and Awards of the Victoria Cross. 6*d.* (8*d.*)
- VI. May to Dec. 1916. With Names of Officers and Men Awarded the Victoria Cross. 1*s.* (1*s.* 1*d.*)
- VII. Dec. 1916 to July 1917. With Names of Officers and Men Awarded the Victoria Cross. 9*d.* (10*d.*)
- VIII. July 1917 to June 1918. With Names of Officers and Men Awarded the Victoria Cross. 1*s.* (1*s.* 5*d.*)

(As to prices in brackets, see top of page 2.)

War of 1914-1920—continued.

- IX. July to Dec. 1918. With Names of Officers and Men Awarded the Victoria Cross. 1s. (11d.)
X. Jan. 1919 to Jan. 1920. With Names of Officers and Men Awarded the Victoria Cross. 2s. (1s. 11d.)

History of the War:—

Medical Services:—

- General History. Vol. I. 21s. (16s. 9d.)
Diseases of the War. Vol. I. 21s. (16s. 9d.)
Surgery of the War. Vol. I. 25s. (19s. 9d.)
Military Effort of the British Empire during the Great War. Statistics of the. 10s. 6d. (9s. 2d.)

Parliament's Vote of Thanks to the Forces. Speeches delivered in the Houses of Parliament, Westminster, on Oct. 29, 1917. 1d. (1d.)

WAR OFFICE LIST, AND ADMINISTRATIVE DIRECTORY FOR THE BRITISH ARMY. 1922. Sold by Harrison & Sons, Ltd., 44-47, St. Martin's Lane, W.C. 2. 30s. net.

WATER SUPPLY MANUAL. 1s. 6d. (1s. 5d.)

WOMEN'S WAR WORK in Maintaining the Industries and Export Trade of the United Kingdom. Information officially compiled for the use of Recruiting Officers, Military Representatives, and Tribunals. Sept. 1916. Illustrated. 1s. (1s.)

WORKS MANUAL. (WAR.) 1913. Provisional. 4d. (4d.); Appendix I. 1914. 1d. (1d.)

WOUNDS OF WAR. General Principles guiding the Treatment of. Conclusions adopted by the Inter-Allied Surgical Conference held in Paris, March and May 1917. 2d. (3d.)

YEOMANRY AND MOUNTED RIFLE TRAINING. Parts I. and II. 1912. (Reprinted, with Amendments, 1915.) 6d. (7d.)

ZULU WAR OF 1879. Narrative of the Field Operations connected with the. 1881, (Reprinted 1907.) 3s. (2s. 10d.)

EQUIPMENT REGULATIONS, PART 1, 1923.

AMENDMENTS No. 3.

1. For paragraph 73B. (as promulgated by Army Order 240 of 1927) *substitute*—

26
Regs.
774

"73B. In the case of "fired" cartridge cases (other than S.A.A.) and similar "fired" ammunition, a certificate to the effect that the contents are "fired cartridge cases, &c., and free from explosives" will accompany the vouchers on which the stores are charged. These certificates will be signed by an officer or responsible warrant officer or N.C.O."

2. Paragraph 294, line 3.—*After* "services" *add* "and for those issued to complete mobilization equipment".

57
Gen.
4820

3. Paragraph 302.—

Line 2 (as amended by Army Order 441 of 1924), *after* "India" *add* "and the War Office".

54
Officers.
2531

Lines 12 and 13.—*Delete* "to the War Office for duty, or".

4. Section XIV, page 82.—*Add* heading and new paragraph—

57
Engns.
863

"Care and Maintenance of pontoons.

318B. Instructions for the care and maintenance of pontoons are detailed in Appendix XLIV and will be strictly observed."

5. Paragraph 319 (ii) (as amended by Army Orders 304 of 1926 and 2 of 1928)—

57
Est.
390

In the Table, column headed "Bridging sets", *for* detail *against* "Scottish Command and Western Command including Southern Ireland" *substitute* "7(a)" and "5(b)" respectively.

Insert—

“Rhine | 4(c) | - | -”

Insert footnotes—

- “(a) 3 sets without assault bridge material.
- (b) 1 set without assault bridge material.
- (c) Assault bridge material only.

26

Regs.

779

6. Paragraph 319 (iii), A., Line 17.—*After* “Vote 9c.” *add—*

“In cases where no vocabulary rate exists for non-vocabulary explosives demanded, the R.A.O.C. will assess the value.”

54

Misc.

2322

7. Paragraph 324.—*For* first sentence *substitute—*

“Paint and marking ink will be supplied to the various services requiring them, and stamps as detailed in Appendix XLIII for marking clothing, small arms, accoutrements, steel helmets, respirators, harness, saddlery and packsaddlery.”

54

Gen.

6226

8. Appendix II.—

Paragraph 5, line 1.—*For* “At” *substitute* “For” and *after* “I.M.E.” *insert—*

“will apply to the War Office for the services of an Assistant Inspector of Armourers or, where necessary,”

Paragraph 7.—*Add* new sub-paragraph—

“(c) When a British unit at a station abroad, other than Egypt and the Mediterranean, is placed under orders to proceed to India, arrangements will be made by the O.C. unit for a preliminary inspection of the arms and equipment of the unit. The inspection will be of such a nature as to ensure that all unserviceable articles, and any beyond local repair, are replaced prior to the assembly of the Board of Survey provided for in para. 4 above. This preliminary inspection will be within the competence of an officer of the unit assisted by the unit's armourer.”

Paragraph 12.—*For* last sentence *substitute—*

“A note will be made on the issue vouchers indicating whether the stores issued were “new” or “part worn”. The

A.D.O.S. will send to the I.M.E. (a) a copy of the statement of the stores which were due but not issued, in order that the War Office may be informed whether such outstanding demands should be cancelled or whether the stores should be despatched to the unit in India and (b) a statement shewing the items, regarding which the board issued instructions for cleaning, repair or exchange, indicating in each case whether action, as ordered, had been taken prior to the embarkation of the unit; this statement will be accompanied by a certificate, rendered to the A.D.O.S. by the O.C. unit, to the effect that such cleaning and repair as may be within the capacity of the unit has been completed. The A.D.O.S. will also forward a copy of his statement (with a copy of the unit's certificate) to the Under-Secretary of State (M.G.O.F.b), The War Office. The O.C. unit will send the A.D.O.S. a copy of the Board's instructions."

Paragraph 15.—*For first sentence substitute—*

"In the case of inspections held after disembarkation, the C.O. will produce to the board the checked copy of Indian Army Form Z 2103 (shewing the final balances of the Indian equipment ledger on the date of embarkation)."

9. Appendix VI, table 2.—

Page 171.—*Delete "Section No. 28B"* (as promulgated by Army Order 116 of 1925) and detail thereunder and corresponding footnotes.

118

Gen.

350

Page 172.—*Delete "Section No. 29A"* (as promulgated by Army Order 116 of 1925) and detail thereunder.

118

Gen.

350

10. *Under "Section No. 29c", against—*

"Floats, kapok, assault bridge, Straps, assault bridge and Transoms, assault bridge" *insert "(b)"* in each case, and at bottom of page *insert* footnote—

57

Est.

390

"(b). These items are not included in 3 of the bridging sets allotted to Scottish Command and in 1 bridging set allotted to Western Command. In the case of the Rhine, 4 sets of these stores only are authorized. (See para. 319 (ii))."

11. Appendix VI, page 173.—*For Table 2.A substitute—*

(1903)

B

Table 2. A.—Special Bridging Stores.

Description of stores	No.		Remarks
	(a)	(b)	
<i>Section No. 7.</i>			
Blocks , tackle, G.S., 3-in. cordage, treble	—	6	(a) 1 set each to Aldershot, Eastern and Southern Commands, Northern Ireland District, Egypt, Gibraltar, Malta and Hong Kong.
Rope , galvanized steel wire—			
1½-in. fathoms	60	—	
2-in., 20 fathom lengths	—	1	
2-in., 40 „ „	—	1	
2-in., 50 „ „	—	1	(b) Gear for launching box girder bridge in addition to stores in Table 2. 2 sets to Aldershot Command and 1 set each to Eastern, Western, Southern, Northern and Scottish Commands.
2-in., 80 „ „	—	2	
5-in. fathoms	100	—	
Spanners , armament artificers, double-ended—			
½-in. and ¾-in. . . .	—	6	
1-in. and 1½-in. . . .	—	6	
<i>N.I.V.</i>			
Blocks , tackle, steel wire rope—			(c) To be provided locally out of the amounts allotted Commands under para. 320.
2-in., single	—	2	
2-in., double	—	1	
2-in., treble	—	3	
2-in., snatch	—	2	
3-in., snatch	—	2	(d) Materials to be supplied by R.A.O.C. and made up locally.
Slings , 1½-in. steel wire rope, 4-ft. long (d)	—	6	
Strops , double, 2-in. steel wire rope, 8-ft. long (d) . .	—	2	
Strops , single, 3-in. steel wire rope, 6-ft. long (d) . .	—	2	
Strops , single, 2-in. steel wire rope, 30-ft. long (d) . .	—	2	
Thimbles , hawser, for 2-in. steel wire rope (d)	—	11	(e) or 3 ton in lieu.
<i>Section G.2.N.I.V.</i>			
Shackles , straight, 1½-in. (d) . .	—	8	
Derrick headrings, including 4 special shackles for head (d)	—	1	
Derrick base straps, with 4 shackles 1½-in. (d)	—	1	
<i>Section No. 28 C.</i>			
Jacks , lifting and traversing screw, 6-tons	—	2	
<i>R.E. Supply.</i>			
Coach screws, ½-in. × 5-in. . .	—	14 (c)	
Clips , bulldog, for 2-in. steel wire rope	—	30	
Derricks , 18-ft × 10-in. × 10-in. (or 11-in. round)	—	1 (c)	
Rollers , special, box girder . .	—	3	
Winches , 2-ton (c)	—	2	

12. Appendix XXXIII (as promulgated by Army Order 116 of 1925 and amended by Army Order 35 of 1927).—

57
Settsh.
2189

For detail against "Scottish" substitute— "| 7 | 7 | 7"

13. Appendix XXXVIII (as promulgated by Army Order 479 of 1925).—

57
Settsh.
2173

For detail in column 3 substitute—

"Quantity to
be issued on
mobilization
=4days'supply:

48 lbs.

72 „

6 „

4 „

32 pints

16 „

4 „

4 „

10 lbs.

2 „

40 „

6 pints

2 pints

2 „

24 pints

28 pints

56 „

72 „

1 „

1 „

1 „

1 „

1 „

1 „

1 „

4 „
2 „

4 lbs.
3 „
2 „
3 „
4 „
1½ „

14. *Insert new Appendix—*

54
Misc.
2322

“APPENDIX XLIII
(*Referred to in para. 324*)

Stamps, etc., for Marking.

Description.	Guards Depot	Infan- try Depot	Rifle Depot	R.A.M.C. Depot	Other units and depots
<i>Section No. 7.</i>					
Anvils , 5-lb. 10-oz. ..	1	1	1	2	1
Hammers , riveting, 8-oz.	1	1	1	2	1
Stamps , copper, inlaid (c)—					
½-in. figures 0 to 8.. set	3	3	3	2	1
„ letters (a) „	1	1	1	2	1
Stamps , marking textiles,	1				
2-in. „ „ ..	1	1	1	2	1
Stamps , steel, ½-in. ..	1	1	1	2	1
Stamps , steel, for metal—					
¾-in. figures 0 to 8 (d) set	1	—	—	2	1
„ letters (a) (d) „	1	—	—	2	1
½-in. figures 0 to 8 „	1	1	1	2	1
„ letters alphabet „	1	1	1	2	1
¾-in. figures 0 to 8 (b) „	1	1	1	2	1
„ letters (a) „	1	1	1	2	1
½-in. figures 0 to 8 „	1	1	1	2	1
„ letters (a) „	1	1	1	2	1
Dash lines, ½-in. (d) ..	1	—	—	2	1
Typeholders (c) ..	2	2	2	4	2
Blocks ..	2	2	2	4	2
Type ½-in. letters (a), (c)	2	2	2	4	2

(a) As required.

(b) Will be replaced by ½-in. when worn out.

(c) Will be replaced by “Stamps, marking textiles” when worn out.

(d) Only issued when armourer is included in peace establishment.

15. *Insert new Appendix—*

APPENDIX XLIV

(Referred to in paragraph 318B)

57
Engrs.
863
Instructions for the care and maintenance of Pontoons**PONTOONS, BIPARTITE, Mk. III**

1. Pontoons will be stored in a manner that ensures free circulation of air and protection from sun and drifting rain.

When stored under cover, pontoons must stand on their ends as shown in Figure I in the diagram at the end of this Appendix.

Where covered accommodation is not available, the system shown in Figure II may be followed. The pontoons are placed on ends, in pairs, with the bottoms outwards upon a framework of sleepers or timber (4-in. by 3-in. or other suitable size). At the top ends another framework composed of old "Cases, mining," or other suitable timber will be placed, and over the whole an adequate covering of tarpaulins should be lashed. Gangways should be left between the rows of pontoons, to admit of free circulation of air, and easy access for examination.

General rules to be observed

(a) Stores must not be put in pontoons, either during transit or at any other time.

(b) In transit, soft packing should be placed between sections.

(c) The rowlocks, after being inserted in the leather securing loop provided, should be tied to the thwarts.

(d) Pontoons must always be moved by the handles provided for that purpose, and on no account are they to be dragged along the ground.

(e) There should be an annual inspection to watch the condition of the wood, canvas, paintwork, metal fittings and rubber packing. The question of necessary painting should be decided at this inspection.

PONTOONS Mk. IV (CONSUTA WOOD PONTOONS)**1. Care when stored.**

(a) Pontoons must be stored under cover and as far as possible protected from sun's rays and rain.

(b) If the cover is in an open-fronted structure, protection should be provided by some form of screening material.

(c) The store should be well ventilated.

(d) Pontoons should be stored in their normal position and must be supported on wood blocks so as to be kept at least 6-inches away from the ground. They may be stacked in

tiers, provided that a sufficient number of suitable packing pieces are used between the tiers, but it is undesirable to stack pontoons in more than two tiers, except when special precautions are taken to avoid any possibility of damage in placing and removing the upper row of pontoons.

2. *Inspection during storage*

Regular inspection by the unit concerned not less than every 6 months must be carried out to watch the condition of the wood, paintwork, metal fittings and rubber packing and the results recorded—the following points should be included in the inspection:—

- (a) *Paintwork*.—All surfaces must be well protected by paint.

Instructions as to painting of the Mk. IV Pontoons are given in para. 4(c).

- (b) *Woodwork*.—

- (i) Any signs of blistering or bulging of the consuta wood should be recorded and, if necessary, repairs carried out. Blisters can be repaired by cutting the blistered skin only of the wood cross-wise in a suitable place and pressing it flat to its original position, then securing it by means of copper rivets. The cuts in the skin to be filled with white lead.

- (ii) *Protection of Edges of Consuta Ply Wood*.

All joints where an edge of Consuta is concerned, such as deck to sides, joints between two halves of the bottom panel, should be made watertight with canvas and a liberal application of white lead. In the event of water being allowed to percolate from the edge between layers of the consuta, the ply wood is liable to open. If any edges of consuta have become exposed, steps should at once be taken to cover such edges. An exposed edge must always be covered with calico and white lead before covering with a fillet which should be bedded thereon.

- (iii) *Interior of Pontoon*.—Particular attention must be paid to see that the water runways are clear and also that no deterioration has taken place to the paint or woodwork—special attention being paid to the floor under the hatchways.

- (iv) *Couplings*.—All couplings to be kept well greased.

- (a) *Stainless Steel*.—these should be kept bright and examined as to their condition for working.

- (b) *Galvanised*.—Galvanizing if worn off may be made good temporarily with aluminium paint.

Couplings must be examined to see that the hooks move freely on the pins. If not, it may be necessary to draw the hooks and clean the pins; this can only be done by ordnance as a special tool is required (*see* para. 5(e)).

Coupling plates should not be removed without reference first to C. I. R. E. S., Woolwich as the couplings must be fitted to a master gauge before replacement.

3. *Care in use*

(a) As soon as beached, pontoons must be entirely emptied of water and any pools of water inside the pontoon must be dried up. The water runways must be cleared whenever necessary.

When pontoons are NOT in the water.

(b) *Hatches*—Must *not* be closed, they should be propped open about 4 or 5 inches.

It is important that they should not at any time be left so wide open as to allow the rain to enter or the sun's rays to act on the floor of the pontoon as this tends to cause blistering of the ply under the hatchway.

The earlier issues of the Mk IV Pontoon have a rubber coaming to the hatchways : if this should swell and prevent closing, it should be trimmed with a sharp knife.

4. *Repairs*

Painting and minor repairs will be carried out by units as required, but all major repairs will be carried out by the R.A.O.C.

(a) *Holes*.—These can be repaired by cutting the hole to a regular shape and fitting same with a piece of wood. This will then be covered on the outside by a copper plate rivetted to a similar backing piece of consuta wood on the inside of the pontoon. All joints must be made with calico and white lead.

(b) *Runners*—Should these have become loose or broken they must be refixed at once. Where covering a joint they must be bedded in with white lead and calico.

(c) *Paintwork*.—Should the paintwork have become damaged it must be touched up as soon as possible, as if the joint and seams of the consuta wood become exposed, water will penetrate between the plies, the stitching of the consuta wood will rot and the plywood will come apart. *See* 2 (b) (ii) *re* exposed edges of consuta wood.

The pontoons should be repainted externally when necessary. For peace use the re-painting will consist of one complete coat of red lead after rubbing down and stopping, an additional coat of red lead on bottom only, and a coat of service colour

on all except bottom. For pontoons in mobilization store and war reserve, the re-painting will be as above, with an additional final coat of service colour on the bottom.

For materials allowed for painting, *see* Appendix XX, Table I, as amended by Army Order 2 of 1928.

5. General

(a) The hatches of pontoons must be kept open to allow a free circulation of air inside and prevent sweating and dry rot.

(b) Stores must not be put in pontoons either during transit or at any other time.

(c) In transit soft packing should be placed between sections.

(d) Pontoons must always be moved by the handles provided for that purpose and on no account are they to be dragged along the ground.

(e) When pontoons are in use or in store special care will be taken that the side coupling hooks, the plates on which they turn, and the holes in them, are kept free from corrosion and coated with mineral jelly, white lead and tallow, or some similar composition. It may also be necessary to reamer out the hole in the hooks with a $1\frac{1}{4}$ -in. reamer, and to clear the pin.

If these precautions are neglected the hooks may become so tightly jammed that they cannot be removed without a special appliance. When this occurs application will be made to the local R.A.O.C. representative for the inspection and removal of jammed hooks by an artificer, R.A.O.C. This will be done by means of a withdrawing tool, to be made locally in accordance with drawing IRES/M/3510 dated 5/1926, copies of which have been furnished to the R.A.O.C. to stations where Mark IV pontoons are held; further copies may be obtained from the C.I.R.E.S., Woolwich Dockyard.

6. Records

Units holding pontoons permanently on charge will be issued by the R.A.O.C. with a history sheet for each pontoon on which all particulars will be regularly recorded—this History Sheet will show—

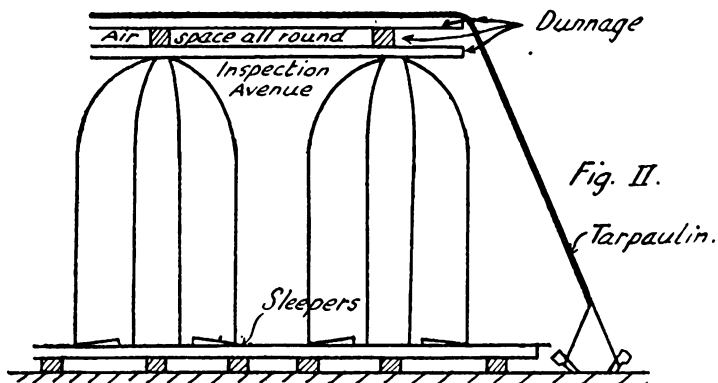
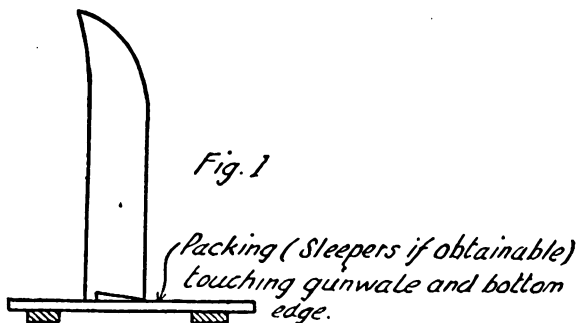
No. of Pontoon	Date of Manufacture	Date of Issue	When in use		Inspection		Particulars of Repair and date
			Year	No. of months	Date	Con- dition	

7. A representative of the Inspection Division of R.E. Stores will visit once a year all units having Mk. IV Pontoons on charge and carry out an inspection.

His report will be made direct to the C.O. concerned, who will then fill in the Inspection column of the history sheet. Any repairs recommended will be entered in the last column of the history sheet as they are completed.

Any urgent repairs that appear necessary should not be allowed to stand over for the annual inspection but entered up at once.

DIAGRAM SHOWING METHOD OF STORAGE OF PONTOONS,
EXCEPT MARK IV.



By Command of the Army Council,



THE WAR OFFICE,
17th March, 1928.

LONDON:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.
To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh;
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1928.

EQUIPMENT REGULATIONS, PART I, 1923.

AMENDMENTS (No. 4).

1. Paragraph 16.

Line 10. *Delete* from "balance" to "March," and *substitute* "' State ' at the opening of the account,"

54
Gen.
6220

2. For paragraph 163 *substitute*—

" **163.** When mobilization equipment is handed over to a relieving unit the appropriate War Equipment Table (A.F.G 1098) will be used as a voucher, two copies being prepared. The totals in the War Equipment Table will be amended to agree with the quantities of each item handed over, alterations being initialed by both accountants concerned.

54
Gen.
6316

Packages held with the equipment will be entered at the end of the A.F.G 1098.

In cases where separate ledgers are held for mobilization equipment no vouchers will, however, be prepared on handing over the stores to the relieving unit. Instead, both copies of the ledger will be balanced and handed over. A certificate to the effect that the stores shown as remaining on ledger charge on the date of transfer have actually been handed over will be signed by the O.C. of each unit.

If any discrepancies exist full explanations of each will be afforded by the O.C. outgoing unit."

3. Paragraph 179—(a) (as promulgated by Army Order 113 of 1927).

54
Inftry.
6087

Line 13, *delete* " (iv) " and detail.

Lines 14 and 17, *for* " (ii), (iii) and (iv) "
substitute " (ii) and (iii) " in each case.

4. Paragraph 179—(b) (as amended by Army Order 240 of 1927).

Line 2, *delete* " (other than infantry) " and *for* " five " *substitute* " four ".

Sub-paragraph " (iii) " *delete*.

Last line, *delete* " and (iii) ".

5. Paragraph 180—(b), *for* last line *substitute*—

" (ii) Two serviceable barrels for use in peace, for ball firing only; to be returned to store on mobilization.

(iii) One D.P. barrel for use in peace for drill purposes, or for firing blank only; to be returned to store on mobilization."

57
Amtn.
1006

6. Paragraph 213 (as promulgated by Army Order 35 of 1927). *Against* " Aldershot " in columns headed " 60-pr." and " 6" How." *insert* " 50 " in each case.

116
Gen.
7301

7. Paragraph 239 (as amended by Army Order 402 of 1925).
Line 19 *after* " polo " *insert* " or hunting ".

54
Engrs.
2610

8. Paragraph 319 (i), sub-heading " (b) " (as amended by Army Order 240 of 1927).
After " Companies " *insert* " and 58th (Porton) Company ".

57
Engrs.
971

9. Paragraph 319 (iii) A. Page 84.
For the table *substitute*—

" For each Field Squadron	...	...	...	...	130
" " Field Company	...	...	...	...	80
" " Railway Company (excluding Rhine Railway Company)	...	...	...	...	60
" " Other Company (including Anti-Aircraft Searchlight Companies)—	...	...	...	...	
Strength not exceeding 40	...	...	...	...	30
" over 40 and not exceeding 75	...	...	...	...	60
" over 75 and not exceeding 100	...	...	...	...	65
" over 100 and not exceeding 125	...	...	...	...	70
" over 125 and not exceeding 150	...	...	...	...	75
" over 150 and not exceeding 175	...	...	...	...	80
" over 175	...	...	...	...	85 "

Penultimate line, *for* " may " *substitute* " will ".

54
Gen.
6220

10. Appendix I, paragraph 1.

Delete from " will " in line 4 to " ledgers " in line 5.

Delete from " the " in line 7 to " into the " in line 8 and *substitute* " they will be balanced and the balances carried into ".

11. Appendix I, paragraph 17.

After " vouchers " in line 5, *insert*—

" The duplicate copies of receipt vouchers after being numbered as instructed in para. 14 of this Appendix, will be signed in black ink or indelible pencil, and returned to the consignor."

After " will " in line 5, *insert* " also ".

57
Gen.
5079

12. Appendix VI, in headings on pages 166-168 (as amended by Army Orders 74 of 1926 and 240 of 1927).

After " Company " *insert* " and 58th (Porton) Company " in each case.

54
Engrs.
2610

13. Appendix XII, Table 4, page 246.

Against " **Blankets**, saddle " and " **Surcingles**, leather " *insert* " 1 " in column 3 in each case.

54
Gen.
6199

14. Appendix XVI (as promulgated by Army Order 479 of 1925 and amended by Army Order 113 of 1927).

26
Regs.
743

Table I.

M.T. Supply, Section No. 1.

For " Belts, fasteners (spare) (w) " and detail
Substitute—

" Fasteners, belt (spare) (w) ... | 2 | — "

M.T. Supply, Section No. 11.

Delete—

" Vehicle log sheet file ... | 1 | — "

M.T. Supply, Section No. 14.

For " Tubes, pneumatic tube (spare) "

Substitute—" Tubes, pneumatic tyre (spare)."

Add at end of Table—

" H.M.S.O. Supply

Vehicle log sheet file, A.B.5 ... | 1 | — "

Table II.

M.T. Supply, Section No. 2.

Insert—

" Brushes, boiler tube—

Head ... | 1 | 1 "

Handle ... | 1 | 1 "

M.T. Supply, Section No. 6.

Delete " Brushes, boiler tube " and detail.

Table II.—*continued.*

M.T. Supply, Section No. 11.

Delete—

“ Spikes or spuds, frost
Vehicle log sheet file ” and detail.

Add at end of Table—

“ M.T., N.V.S.

Spikes or spuds, frost ...	sets	1	—
H.M.S.O. Supply			
Vehicle log sheet file, A.B.5 ...		1	1 ”

Table III,

M.T. Supply, Section No. 1.

Delete “ Holders, bulb (for 3 spare bulbs) (*p*)
Holders, sparking plug ” and detail.

M.T. Supply, Section No. 4.

Insert—

“ Box, tin, for 3 spare electric- light bulbs ...	1	1	1	1	1	1	1	1	1	1	1	1	—	2	2
Holders, sparking plug (<i>ae</i>) ...	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2 ”

M.T. Supply, Section No. 11.

Delete “ Vehicle log sheet file, A.Bs.5 ” and detail.*Add at end of Table—*

“ H.M.S.O. Supply

Vehicle log sheet file, A.B.5 ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 ”
--------------------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----

NOTES. *Insert new note—*“ (*ae*) Size and type of thread to be stated.”

57

Veh.

771

15. Appendix XIX.

Paragraph 7, line 3, *after* “ Depot ” *insert* “ , Royal Army Service Corps ”.*For lines 6, 7 and 8 substitute—*

“ be issued by the M.T. Stores Depot, Royal Army
Service Corps to units or depots concerned :— ”

Paragraph 8, item “ (*c*) ” *insert at end—*

“ and, where applicable, the classification symbol “ A ”
or “ B ”.

Paragraph 9.

Sub-paragraph (*a*), *delete* from “ The ” in line 3 to
“ H.A.W. ” in line 5 and *substitute—*

“ In the case of 4-wheeled vehicles and heavy trailers
the weights to be shown are unladen weight—U.W. ;
front axle weight—F.A.W. ; and hind axle weight

—H.A.W. In the case of 6-wheeled vehicles the weights to be shown are unladen weight—U.W. ; front axle weight—F.A.W. ; middle axle weight—M.A.W. ; hind axle weight—H.A.W.”

Line 4 of the Amendment promulgated by Army Order 197 of 1925, *after* “ Depot ” *insert*—

“ , R.A.S.C. or R.A.O.C. Depot concerned ”.

Sub-paragraph (c), *delete* from “ A ” in line 2 to “ purposed.” in line 4 and *substitute*—

“ A stencil plate, to be obtained from the M.T. Stores Depot, R.A.S.C. or the R.A.O.C. Depot concerned, will be used for this purpose. A stencil plate, to be obtained from the R.A.O.C. Depot concerned, will also be used for the classification symbol “ A ” or “ B.”

After line 10 *insert* new sub-paragraph—

“ The classification symbol “ A ” or “ B ” will be painted in red, six inches in height, and six inches to the right of the W.D. number.”

For sub-paragraph (d) *substitute*—

“ (d) The class letter will be placed below the designation of the arm of the service, and the W.D. number below the class letter, as exemplified hereunder. Where applicable, the classification symbol “ A ” or “ B ” will be placed six inches to the right, and painted in red, as exemplified hereunder :—

Maintained by R.A.S.C.	Maintained by R.A.O.C.
<u>R.A.S.C.</u> <u>L</u> 251	<u>18th Fd. R.A.</u> <u>L</u> 251 A
Rhine Sig. Co. <u>L</u> * 251	3 Fort Co. <u>L</u> 251 B
56 Fd. Co. <u>L</u> * 251	

* Example of marking of vehicles maintained but not driven by R.A.S.C., *i.e.*, Rhine and China.

Appendix XIX.—*continued.*

The arm of the service lettering will be painted in by the receiving unit in accordance with the stencils supplied, but the other identifications will be painted on the vehicles by the issuing depot."

Paragraph 12, *after* " 8 " in line 2 *insert*—

" , except in the case of the classification symbol " A " or " B " which will be painted in red ".

Table 1 (as promulgated by Army Order 249 of 1925).

Add at end—

" Royal Army Ordnance Corps—						
Depot or Workshop	...	...	...	...	...	R.A.O.C., Hilsea."

Table 2, *add at end*—

" Classification symbol " A "	|	—	|	—	|	To be painted in red and to be of the height mentioned in para. 9 (c) as exemplified in para. 9 (d)."
or " B "						

43 Appendix XLI (as promulgated by Army Order 240 of 1927).
A.S. Table.

726 *Delete* from " R.H.A." in line 1 to " 7 5 0 " in line 5.

54 Appendix XLIII (as promulgated by Army Order 40 of 1928).

Misc. Items " **Stamps**, marking textiles, 2-in.

2322 **Stamps**, steel, $\frac{1}{2}$ -in.", *before* " 2-in." and " $\frac{1}{2}$ -in." respectively *insert*—

" ↓ "
↑

By Command of the Army Council,

H. Greedy

THE WAR OFFICE,
1st June, 1928.

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

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1928

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[Notified in Army Orders for July, 1928.]

EQUIPMENT REGULATIONS, PART 1, 1923.

AMENDMENTS (No. 5).

1. Paragraph 156, line 1, *after* " war " *insert*—

" , excepting illuminants for which *see* Appendix XXXVIII,"

57
Gen.
5251

2. *Insert* new paragraph—

" 177D. Articles made from the hair of animals, *i.e.*, woollen or felt goods, bristle brushes, fur, horsehair, etc., should be covered with ordinary brown paper, but it must be devoid of holes and tears, and folded over where the ends join ; moths are quite unable to penetrate such paper, but if there is any opening, however small, they will probably discover it and deposit their eggs on the materials underneath. For this reason, packing needles should not be allowed to penetrate the paper when canvas wrappers are being stitched up.

57
Gen.
5194

A sprinkling of naphthalene is also useful, as moths dislike the odour, and it helps to keep them away from the neighbourhood. It is unnecessary, however, to smother articles in naphthalene.

The necessary supplies of naphthalene should be obtained on indent from R.A.O.C."

3. Paragraph 185, *add* new sub-paragraph—

" (iii) Contents of Bags and Boxes, spare parts and tools, etc., for machine guns are detailed in Appendix XLV."

57
Gen.
5243

4. *Insert* new paragraph—

" 279D. Additional drawing instruments for educational purposes will be allowed for the Royal Tank Corps Centre as follows :—

54
Tanks
219

Compasses, drawing, instructional, Mk. III 100

Scales, math., 12-in., instructional § ... 100

Set squares, metal, instructional—

4-in., 45° 60

5-in., 60° 60 "

- 54
Engrs.
2629
5. Paragraph, 319 (ii) (as amended by Army Orders 322 of 1924, 116 of 1925, and 304 of 1926).

Table—

Delete "Sierra Leone" and detail.

6. Paragraph, 320.

Table—

Delete "Sierra Leone."

- 54
Engrs.
2605
7. Appendix VI, Table 3 (as promulgated by Army Order 322 of 1924 and amended by Army Order 81 of 1925).

Under Section No. 29—D for "Pickets" (5 items) and detail substitute—

"Pickets, angle—

Long	...	—	—	—	50	50	(c)	25	25	100	250
Medium	...	—	—	—	100	100	(c)	50	50	200	500
Short	...	—	—	—	25	25	(c)	13	13	50	125

Pickets, screw—

Long	...	—	—	—	65	65	(c)	35	35	140	325
Short	...	—	—	—	130	130	(c)	70	70	280	650

Footnote (c), for "Pickets, angle (3 items) and Pickets, screw (2 items) and detail substitute—

"Pickets, angle—

Long	...	...	...	7	10	15
Medium	...	...	...	14	20	30
Short	...	...	...	8	10	15

Pickets, screw—

Long	...	...	...	13	18	25
Short	...	...	...	26	36	50

- 57
Gen.
5262
8. Appendix XXXI.

Above "Reservists' outfits actually stored—"

Insert "Number of reservists on books. . . ."

Below "Clothing, sets. . . ."

Insert "Necessaries, sets. . . ."

- 57
Vehicles.
1212
9. Appendix XXXVIII (as promulgated by Army Order 479 of 1925 and amended by Army Order 40 of 1928).

Insert as first item—

"Section C.2.

Lamps, bicycle, front.	Oil, paraffin.	$\frac{1}{2}$ gill	1 pint	Flat, $\frac{1}{4}$ -in. (solid)	4-ins.	8-ins."
------------------------	----------------	--------------------	--------	----------------------------------	--------	---------

10. *Insert* new Appendix—

APPENDIX XLV.

*(Referred to in paragraph 185 (iii))*LIST OF CONTENTS OF BAGS, SPARE PARTS
AND TOOLS, M.G., FILLED, HOTCHKISS ·303-IN.

57

Gen.

5243

Description.	No.
<i>Section B.1.</i>	
Pullthroughs—	
Double, Mk. I, " B "	2
Gauze	6
<i>Section B.3.</i>	
Brushes, hard, armourers	1 (a)
<i>Section C.1.</i>	
Boxes, small parts, M.G., No. 1, Mk. I	1
Brushes, cleaning, Hotchkiss ·303-in. M.G., Mk. I	1
Cans, oil, M.G., Mk. I	1
Cleaners, gas cylinder, Hotchkiss ·303-in. M.G.,	
Mk. I	1
Extractors, hand, Hotchkiss ·303-in., M.G., Mk. I	3
Guns, machine, Hotchkiss ·303-in.—	
Covers, sight, fore	1
Ejectors	1
Extractors	1
Pins, firing	2
Screws, locking	2
Sights, fore	2 (b)
Springs, cartridge stop	1
„ ejector	1
„ extractor	2
„ feed, No. 2	2
„ recoil	1
„ sear	2
Washers, spring, backsight	6 (c)
Guns, machine, Hotchkiss ·303-in. Mk. I*—	
Sight, back, tubular	1 (d)
Hammers, M.G., Mk. I	1
Keys, ejector, Hotchkiss ·303-in. M.G., Mk. I ...	1

LIST OF CONTENTS OF BAGS, SPARE PARTS AND
TOOLS, M.G., FILLED, HOTCHKISS .303-IN.—*contd.*

Description.	No.
<i>Section C.1.—contd.</i>	
Punches , No. 3, M.G., Mk. I	1
Reflectors , mirror, .303-in. M.G., Mk. I	1
Rods , cleaning, bore, Hotchkiss .303-in. M.G., Mk. I	1
Screwdrivers , large, M.G., Mk. I	1
Wrenches , Hotchkiss .303-in. M.G., Mk. I	3 (e)

(a) Or Brushes, harness, hard (Section D.1).

(b) To correspond in height to those fitted to the gun barrel and spare barrel respectively.

(c) Two of these are issued with the spare sight in the case of tank guns.

(d) Tank Corps units only.

(e) One carried on the gun.

LIST OF CONTENTS OF BAG, SPARE PARTS AND
TOOLS, M.G., FILLED, LEWIS .303-IN.

Description.	No.
<i>Section B.1.</i>	
Pullthroughs—	
Double, Mk. I " B "	1 (i)
Gauze	3 (j)
<i>Section C.1.</i>	
Balances , spring, combination, Lewis .303-in M.G., Mk. I	1 (a)
Boxes , small parts, M.G., No. 1, Mk. I	1
Brushes , rod, cleaning, cylinder, Lewis .303-in. M.G., Mk. I	5
Cans , oil, M.G., Mk. I	1

LIST OF CONTENTS OF BAG, SPARE PARTS AND
TOOLS, M.G., FILLED, LEWIS '303-IN.—*contd.*

Description.	No.
<i>Section C.1.—contd.</i>	
Guns, machine, Lewis '303-in.—	
Blades, foresight, H.	1
" " L.	1
Bolts	1 (b)
Casings, pinion, assembled	1 (c)
Covers, ejector	1
Ejectors	1
Extractors, Mk. II	4 (d)
Guides, cartridge	3
Handles, cocking, No. 1	2
Heads, screw, tangent sight	1
Keys, gas regulator	1
Pawls, feed arm, Mk. I*	2 (e)
" pinion	1
" stop, magazine, No. 1 Left, Mk. I*	1 (e)
" " " No. 2 Right, Mk. I*	1 (e)
Pins, fixing, striker	2
" head, screw, tangent sight	2
" locking, body	2
" pawl, pinion	2
" sear	2
" trigger	2
Regulators, gas, Mk. I	1
Sears, Mk. I	1
Springs, head, screw, tangent sight	2
" pawl, feed arm	3
" " pinion	4
" pawls, stop, magazine	2
" return	4 (f)
" trigger	1
Strikers	1
Washers, packing barrel	6
Guns, machine, Lewis '303-in., Mk. I—	
Screws, butt cap	2
" clamp ring, No. 2	1 (g)
Handles, loading, magazines, Lewis '303-in. M.G.,	
Mk. I	5
Mops, rod, cleaning, cylinder, Lewis '303-in. M.G.,	
Mk. I	1

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LIST OF CONTENTS OF BAG, SPARE PARTS AND
TOOLS, M.G., FILLED, LEWIS ·303-IN.—*contd.*

Description.	No.
<i>Section C.I.—contd.</i>	
Plugs , clearing, Lewis ·303-in. M.G., Mk. I ...	1
Punches , No. 3, M.G., Mk. I ...	1 (h)
Reflectors , mirror, ·303-in. M.G., Mk. I ...	1
Screwdrivers , small, M.G., Mk. I ...	1
Spanners , Lewis ·303-in. M.G., Mk. I ...	1
Wallets , Lewis ·303-in. M.G., No. 1, Mk. I, Empty	1

- (a) Or Balances, spring, M.G., Mk. I.
 (b) With feed arm actuating stud and two extractors.
 (c) Complete with pinion, return spring casing, return spring, hub and tension screw, and pinion pawl with spring and pin.
 (d) Or Mk. I (Mk. II is supplied with spring extractor).
 (e) Or Mk. I (under heading of Guns, machine, Lewis ·303-in. Mk. I).
 (f) With return spring casing and hub in tin box.
 (g) Or No. 1.
 (h) Or No. 4 M.G., Mk. II.
 (i) To be increased to 2 on mobilisation.
 (j) To be increased to 6 on mobilisation.

BOXES, BATTALION SPARES, LEWIS ·303-IN. M.G.,
MK. I.

List of Stores (demanded separately) carried in box.

Description.	No.
<i>Section C.I.</i>	
Boxes , small parts, M.G., No. 1, Mk. I ...	1
Guns , machine, Lewis ·303-in. :—	
Bands, barrel ...	4
Blades, foresight, H. ...	4
" " L. ...	4
Springs, trigger ...	2
Triggers ...	2
Washers, packing barrel ...	6
Guns , machine, Lewis ·303-in. Mk. I :—	
Butts, Mk. II, normal ...	4
Caps, butt, Mk. I* ...	4
Screws, butt cap ...	4

HOLDALL, LEWIS ·303-IN. M.G., MK. I FILLED.

Contents.

Description.	No.
<i>Section B.1.</i>	
Pullthroughs—	
Double, Mk. I " B "	1 (e)
Gauze	3 (f)
<i>Section C.1.</i>	
Boxes , small parts, M.G., No. 2, Mk. I	1
Brushes , rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	2
Cans , oil, M.G., Mk. I	1
Guns , machine, Lewis ·303-in—	
Covers, ejector	1
Handles, cocking, No. 1	1
Keys, gas regulator	1
Pins, fixing, striker	2
„ locking, body	1
„ sear	1
„ trigger	1
Regulators, gas, Mk. I	1
Rods, piston, No. 2	1 (a)
Springs, pawls, stop, magazine	1
„ return	1 (b)
Strikers	1
Handles , loading, magazines, Lewis ·303-in. M.G., Mk. I	1
Mops , rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	2
Punches , No. 3, M.G., Mk. I	1 (c)
Rods , cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1
„ „ ·303-in. M.G., Mk. II	1
Spanners , Lewis ·303-in. M.G., Mk. I	1
Wallets , Lewis ·303-in. M.G., No. 2, Mk. I, Filled	1 (d)

(a) Or No. 1.

(b) With return spring casing and hub in tin box.

(c) Or No. 4 M.G., Mk. II.

(d) A contents list is enclosed in each wallet.

(e) To be increased to 2 on Mobilisation

(f) To be increased to 6 on Mobilisation.

WALLET, LEWIS .303-IN. M.G., NO. 1, FILLED.

Contents.

Description.	No.
<i>Section C.I.</i>	
Boxes , small parts, M.G. No. 2, Mk. I	1
Cleaners , gas regulator, Lewis .303-in. M.G., Mk. I	1
Guns , machine, Lewis .303-in.—	
Extractors, Mk. II	4 (a)
Heads, screw, tangent sight	1
Pawls, pinion	1
Pins, head, screw, tangent sight... ..	1
„ pawl pinion	2
„ sear	1
„ trigger	1
Sears, Mk. I	1
Springs, head screw, tangent sight	1
„ pawl, feed arm	1
„ „ pinion	2
„ pawls, stop magazine	1
„ return	1 (c)
Guns , machine, Lewis .303-in., Mk. I—	
Screws, clamp ring, No. 2	2 (b)
Screwdrivers , small, M.G., Mk. I	1

(a) Or Mk. I (Mk. II is supplied with spring).

(b) Or No. I.

(c) With return spring casing and hub in tin box.

WALLET, LEWIS .303-IN. M.G., NO. 2, FILLED.

Contents.

Description.	No.
<i>Section C.I.</i>	
Balances , spring, combination, Lewis .303-in. M.G., Mk. I	1 (b)
Boxes , small parts, M.G., No. 2, Mk. I	1
Guns , machine, Lewis .303-in. :—	
Bolts	1
Casings, pinion, assembled	1

WALLET, LEWIS .303-IN. M.G., NO. 2, FILLED.—*contd.*

Description.	No.
<i>Section C.1.—contd.</i>	
Guns, machine, Lewis .303-in.—<i>contd.</i> :—	
Ejectors	1
Extractors, Mk. II	2 (a)
Guides, cartridge	2
Handles, cocking, No. 1	1
Pawls, feed arm, Mk. I*	1 (c)
„ stop, magazine, No. 1, Left, Mk. I*	1 (c)
„ „ „ No. 2, Right, Mk. I*	1 (c)
Pins, locking, body	1
Springs, pawl, feed arm	2
„ pawls, stop, magazine	1
Plugs, clearing, Lewis .303-in. M.G., Mk. I	1
Reflectors, mirror, .303-in. M.G., Mk. I	1

(a) Or Mk. I (Mk. II is supplied with spring).

(b) Or Balance, spring, M.G., Mk. I.

(c) Or Mk. I (under heading of Guns, machine, Lewis .303-in. Mk. I).

CONTENTS OF CASE, SPARE PARTS AND TOOLS,
VICKERS .303-IN. M.G., MK. I, FILLED.

Description.	No.
<i>Section C.1.</i>	
Balances, spring, M.G., Mk. I	1
Cans, oil, M.G., Mk. I	1
Guns, machine, Vickers .303-in.—	
Locks	1
Springs, fuzee, with fittings	1
Plugs, clearing, Vickers .303-in. M.G., Mk. I	1
Tools, combination, Vickers .303-in. M.G., Mk. II	1 (a)
Wallets, Vickers .303-in. M.G., Mk. I, Filled	1

Contents of Wallet, Vickers, .303-in. M.G., Mk. I.

Description.	No.
<i>Section B.1.</i>	
Pullthroughs—	
Double, Mk. I, " B "	1 (e)
Gauze	1 (e)
<i>Section C.1.</i>	
Guns, machine, Vickers, .303-in.—	
Cups, muzzle-attachment, ball, Mk. II ...	1
Discs, muzzle-attachment, ball	1
Fusees, with chain	1
Gibs, No. 3	1 (b)
Pins, firing, No. 2	1 (c)
,, trigger	1
,, tumbler	1
Sears	1
Springs, gib	1
,, lock, No. 2	2 (c)
Triggers	1
Tumblers	1
Washers, adjusting, No. 1	3
,, ,, No. 2	3
Guns, machine, Vickers, .303-in., Mk. I—	
Corks, for plug	1
Protectors, muzzle, Vickers .303-in. M.G., Mk. I	1
Punches, No. 3, M.G., Mk. I	1
,, No. 5, M.G., Mk. I	1
Reflectors, mirror, .303-in. M.G., Mk. I	1
Screwdrivers, small, M.G., Mk. I	1
<i>Section No. 7.</i>	
Pliers, side-cutting, 6-in.	1
<i>Section G.1.</i>	
Pins, keep, split, $\frac{1}{8}$" $\times$ $2\frac{1}{2}$"	3 (d)

(a) Or Mk. I.

(b) Or No. 2.

(c) Or No. 1.

(d) For Mk. IV tripod mounting.

(e) To be increased to 2 on mobilisation.

CONTENTS OF BOX, SPARE PARTS AND TOOLS,
VICKERS, .303-IN. M.G., MK. II, FILLED.

Box, spare parts and tools.

Description.	No.
<i>Section B.1.</i>	
Pullthroughs—	
Gauze	4
<i>Section C.1.</i>	
Belts, .303-in., 250-round, Mk. I—	
Eyelets, long oz.	$\frac{1}{2}$
Strips, long	25
,, short	25
Boxes, small parts, M.G., No. 1, Mk. 1 ...	3
Guns, machine, Vickers .303-in.—	
Blocks, feed, right hand	2
Bushes, axis, side levers	1
Collars, roller	1
Cups, muzzle-attachment, ball, Mk. II	1
Discs, muzzle-attachment, ball	4
Fusees, with chain	1
Gibs, No. 3	1 (a)
Levers, extractor, Left, No. 2	1 (b) (f)
,, ,, Right, No. 2	1 (b) (f)
Packing, asbestos	4 (c)
Pins, firing, No. 2	2 (b)
,, fixing, crank handle	1
,, split, bush, axis, side levers	1
,, ,, check nut, long	3
,, ,, collar, roller, No. 2	2
,, ,, muzzle-attachment	1
,, ,, T, fixing, rear-crosspiece	2
,, trigger	1
,, tumbler	1
Plugs, front cover catch	2
Plungers, front cover catch	2
Rollers	1
Springs, bottom pawl, R.H. feed block	1
,, rear cover lock	2
,, front cover catch	2
,, gib	1
,, lock, No. 2	4 (b)
,, sear	2
,, top pawls, feed block, No. 1	2

CONTENTS OF BOX, SPARE PARTS AND TOOLS,
VICKERS, 303-IN. M.G., MK. II, FILLED.—*contd.*

Description.	No.
<i>Section C.1.—contd.</i>	
Guns, machine, Vickers 303-in., Mk. I—	
Corks, for plug	1
Glands, packing	1
Plugs, cork	1
„ screwed	1
Sights, fore	1
„ tangent, Mk. III**	1
Springs, safety catch	2 (d)
„ shutter catch	2
„ tangent sight	1
„ trigger bar	2
Hammers, M.G., Mk. I	1
Mountings, tripod, 303-in. M.G., Mk. IV—	
Washers, elevating nut	6
Screwdrivers, large, M.G., Mk. I	1
Tools, belt repairing, Vickers 303-in. M.G., Mk. I	1
<i>Section No. 7.</i>	
Spanners, shifting	1
<i>Section G.1.</i>	
Pins, keep, split, $\frac{1}{8}'' \times 2\frac{1}{2}''$	6 (e)

(a) Or No. 2.

(b) Or No. 1.

(c) Pieces 5 yds. long.

(d) With piston.

(e) For Mk. IV tripod mounting.

(f) Interchangeable with No. 1 levers in locks, but wherever possible they should be assembled in their respective groups.

Note.—Items carried in the filled box which are separately demandable and separately chargeable, are not included in these lists.

By Command of the Army Council,

H. J. Creedy

THE WAR OFFICE,
31st July, 1928.

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:

Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh;

York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;

15, Donegall Square West, Belfast;

or through any Bookseller.

1928

Price 1d. net.

(J6331). Wt. 6352—8774/458. 12,500. 8/28. W. C. & S., Ltd. Gp. 310.

[Notified in Army Orders for September, 1928.]

EQUIPMENT REGULATIONS, PART 1, 1923.

AMENDMENTS (No. 6).

1. Paragraph 22. *Add at end of penultimate sub-paragraph—*
- “ Stores will be entered on indents in the same alphabetical order as they appear in the vocabulary.”
2. Paragraph 137 (ii), line 2, *for “ without ” substitute “ with.”*
3. Paragraph 149A (as promulgated by Army Order 75 of 1924 and amended by Army Order 304 of 1926).
- Line 1, *for “ Pontoon and trestle ” substitute “ Bridging.”*
4. Paragraph 222. *Insert new sub-paragraph—*
- “ When saddlery is taken to India a notification accompanied by a receipted voucher will (except in the case of cavalry and infantry travelling as complete units) be sent by the unit to the Under Secretary of State (M.G.O.F.b), The War Office, in order that a claim may be made against the Indian Government. For this purpose the voucher should show the assessed value of the articles taken.”
4. *For paragraph 298 substitute—*
- “ 298. Consumable stores for veterinary purposes will be issued in accordance with the table below, on the indent of the veterinary officer, countersigned by the administrative veterinary officer concerned. The issue voucher upon which they are charged will be signed by the veterinary officer only.”

26

Regs.

856

54

Arty.

9336

54

Engrs.

2635

54

Officers.

2574

116

Vetv.

147

Description.	Money value limit to which stores may be drawn annually for every 100 public riding or draught animals.			
<i>Section D.1</i>				
Bandages, horse	}			
Rubbers, horse				
<i>Section H.1</i>				
Corks, assorted				
Soap, carbolic				
" soft				
" yellow				
Soda, carbonate of, dry				
<i>Section H.2</i>				
Linen, unbleached		£	s.	d.
Sacking, jute, 30-inch		6	10	8
Tow, jute				
Twine, packing, small				
<i>Old Stores</i>				
Flannel, old (for fomentations)				
Numnahs, old (for foot swabs)				
<i>Stationery supply</i>				
Paper, brown, common (for packing)				
" white, fine (for balls)				
Pins, mixed				

57
Engrs.
1059

6. Paragraph 319 (ii), Table (as amended by Army Orders 322 of 1924, 116 of 1925, 304 of 1926, and 2, 40 and 137 of 1928).

Delete "Bermuda" and "Mauritius" and detail.

Column 3, *against* "Western (including Southern Ireland)" *delete* "4."

57
Gen.
5128

7. Paragraph 350. *For* fourth sub-paragraph (as promulgated by Army Order 144 of 1926) *substitute*—

"*Respirator* facepieces will be marked as follows :—

The corps mark and the soldier's army number will be marked with marking ink on a piece of $\frac{1}{2}$ -in. adhesive tape, which will then be threaded through one of the loops of the harness of the facepiece, the free adhesive ends being pressed together to form a tag.

Three inches of $\frac{1}{2}$ -in. adhesive tape will be allowed for each facepiece."

- | | |
|--|-------|
| 8. Appendix II, paragraph 20 (i) (b), line 2, for "without " | 54 |
| <i>substitute "with."</i> | Arty. |
| | 9336 |
| 9. Appendix XVI (as amended by Army Order 114 of 1928). | 26 |
| Table III. Under "M.T. Supply, Section No. 4 " against | Regs. |
| " Holders, sparking plug " for note " (ae) " substitute | 743. |
| " (af)." | |
| NOTES.—For note " (ae) " substitute " (af)." | |

By Command of the Army Council.

H. Greedy

THE WAR OFFICE.
7th September, 1928.

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:

Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh.

York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;

15, Donegall Square West, Belfast;

or through any Bookseller.

1928

Price 1d. net.

EQUIPMENT REGULATIONS, PART 1, 1923.

AMENDMENTS (No. 7).

1. Paragraph 37 (as promulgated by Army Order 113 of 1927),
after sub-paragraph (d) add new sub-paragraph—
“(e) normally the M.T. vehicles of a unit will accompany
it on change of station at home.” 54
Cav.
1905
Amdt. 7
Nov. 1928.
 2. Paragraph 131 (e), for first three lines substitute—
In the case of troops proceeding to and from India, sums
recovered from the troops embarked or disembarked at
Indian Ports in respect of losses or damages during the
voyage will be credited as follows :— 54
Gen.
5886
Amdt. 7
Nov. 1928.
 3. Delete Paragraph 279C (as promulgated by Army Order 441
of 1924). 57
Bks.
42
57
Gen.
4416
 4. Paragraph 289 (as amended by Army Orders 479 of 1925
and 220 of 1926).
For “Clippers, horse” and detail substitute—
“Clippers, horse... .. For units with an establishment
of 14 animals or less—1 for
every 8 animals or less. Amdt. 7
Nov. 1928.
Clippers, horse, hogging For units with an establishment
of 15 animals or more—1 for
every 50 animals or less.”
 5. Paragraph 363, line 3 and paragraph 366, line 4, for “dupli-
cate” substitute “triplicate” in each case. 26
Regs.
863
70
Cartridges.
177
 6. Section XVII, page 105.
Insert new heading and paragraph.
“7. Preservation of hoops of barrels, cartridge and
barrels, powder. Amdt. 7
Nov. 1923.
- 424A. In order that the wood hoops of barrels, cartridge
and barrels, powder may be preserved against ravage by
insect while held in store, arrangements will be made for
the hoops to be brushed over with oil, mineral, preserving
wood. Two applications will be made at intervals of 24
hours. This treatment will be repeated at intervals of
12 months.”

7. Appendix III.

For Tables 1 and 3 *substitute*—**APPENDIX III.***(Referred to in paragraphs 128–131.)***TABLE I.****APPLICABLE TO ALL TRANSPORTS AND ALSO TO FREIGHTSHIPS CARRYING TROOPS WHEN ISSUE IS ORDERED BY THE WAR OFFICE.****Stores to be placed on Board by the R.A.O.C.**Amdt. 7
Nov. 1928.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Sea Transport, Mercantile Marine Department, Board of Trade. For details, *see* Regulations for H.M. Sea Transport Service, a copy of which is placed on board.

Description.	Stores for all Trans- ports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers.		Remarks.
		For all trans- ports other than those with extra cot accom- modation.	For trans- ports with extra cot accommo- dation.	
<i>Section A.I.</i>				
Belts, waist ..	—	—	—	10 per cent. of un- armed strength on board (except invalids and time- expired men).
Bugles	—	—	—	2 for each ship.
Frogs, bayonet ..	—	—	—	10 per cent. of un- armed strength on board (except invalids and time- expired men).
Pouches, ammunition	—	—	—	
Strings, bugle and trumpet	—	—	—	2 for each ship.
<i>Section B.I.</i>				
Rifles, No. 1, Mk. III	—	—	—	10 per cent. of un- armed strength on board (except invalids and time- expired men).
Bayonets, No. 1, Mk. I	—	—	—	
Scabbards, bayonet, No. 1, Mk. II ..	—	—	—	
Bottles, oil, Mk. IV ..	—	—	—	
Pullthroughs, single, Mk. IV " B " ..	—	—	—	
Gauze, ½ ..pieces	—	—	—	

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers.		Remarks	
		For all transports other than those with extra cot accommodation.	For transports with extra cot accommodation.		
<i>Section B.3.</i>					
Flannelette	—	—	—	25 yards a month during period of voyage.	
<i>Section H.1.</i>					
Oil, lubricating mineral, G.S.	—	—	—	2 pints a month during period of voyage.	
Soap, yellow, bars ..	—	—	106		
<i>Section J.</i>					
Chairs, camp ..	—	—	25	Transports only for the use of invalids. To be purchased locally. Not issuable to freightships.	
Chairs, deck ..	—	6	12		
<i>Section K.</i>					
Sheets, ground, Mk.VII	—	2	2		
<i>Section K.</i>					
Boards, bed-head ..	—	—	100		
{ Bed-pan ..	—	12	25		
Cloths { Distinctive ..	—	6	25		
{ Medicine ..	—	12	25		
Clubs, 1½ lb. prs. ..	12	—	—		
Communion service complete.	1	—	—		
Linen (spare) sets	1	—	—	} For divine service.	
Games—					
Backgammon—				} (a), (b)	
Boards ..	3	2	4		
Dice (cups 2, cubes 4) ..	3	2	4		
Men, sets ..	3	2	4		
Chess—					
Board ..	3	1	2		
Men, sets ..	3	1	2		

(a) To be purchased locally as required by D.A.D.O.S. Hilsea, when R.A.O.C. stocks are exhausted.

(b) If the initial port of departure of a vessel is elsewhere than Southampton the O.O. concerned will indent upon the Storeholder, R.A.O.C. Depot, Minden Barracks, Royal Crescent Road, Southampton, for these stores.

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers.		Remarks.
		For all transports other than those with extra cot accommodation.	For transports with extra cot accommodation.	
Section K (contd.)				
Games (contd.)—				
Dominoes, sets ..	6	1	2	} (a), (b)
Draughtsmen—				
Boards ..	3	2	4	
Men, sets ..	3	2	4	
Solitaire—				
Balls, sets ..	3	1	2	
Boards ..	3	1	2	
Gloves, boxing, prs.	20 (c)	—	—	
Pillows, feather ..	—	6	12	
Rests, bed ..	—	2	3	
Screens, bedside ..	—	2	3	
Sponges, bath ..	—	2	18	
Stretchers, Ambulance, Mk. II	—	1	6	
Towels, hand ..	12 (d)	300	800	
Towels, roller ..	—	50	200	
Warmers, stomach ..	—	4	10	
N.I.V.				
Punchballs	4	—	—	(a), (b)
Section L.				
Basins, washing, steel 14-in.	—	6	16	
Boxes, dressing ..	—	2	5	
Brushes—				
Bed-pan	—	2	3	
Feeder	—	2	6	
Clippers, hair ..	2	1	2	
Corkscrews ..	—	—	4	
Disinfectors, spray, Mk. II	—	1	1	
Handcuffs, common, pairs	—	—	—	1 per cent. of strength on board.

(a) To be purchased locally as required by D.A.D.O.S. Hilsea, when R.A.O.C. stocks are exhausted.

(b) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, R.A.O.C. Depot, Minden Barracks, Royal Crescent Road, Southampton, for these stores.

(c) 10 pairs only for freightships.

(d) For freightships only. For each 100 men on board.

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers.		Remarks.
		For all transports other than those with extra cot accommodation.	For transports with extra cot accommodation.	
Section L.—contd.				
Inhalers, Mk. III ..	—	6	12	
Knives, opening, tins ..	—	2	2	
Measures, glass, 4 oz. ..	—	6	12	
Mugs, drinking ..	—	—	27	
Pannikins, pint, enamelled	—	12	123	
Picks, ice	—	1	2	
Scissors, hair-cutting, pairs	2	1	2	
Spoons, electro-plated, tea	—	6	12	
Trays, diet, large, 20 diet	—	2	6	
Tumblers, $\frac{1}{2}$ -pint ..	—	12	24	
Warmers, foot ..	—	4	10	
N.I.V.				
Formaldehyde, Winchester, qt. bottles ..	—	2	2	R.A.S.C. Supply. For marking blankets used in infectious cases.
Tab's	—	20	50	
Taps, champagne ..	—	1	2	
Section No. 27.A.				
Cartridges, small arm, .303-inch ball (c). ..	—	—	—	60 for each rifle for unarmed troops, 200 for each rifle for armed troops.
Pimlico Section No. 6.				
Caps, S.D. stiff pattern ..	50 (f)	—	—	
Covers, cap, white ..	22 (g)	—	—	

(e) Complete boxes only to be shipped.

(f) For issue on payment to troops requiring replacements owing to loss or deficiency (*see* paragraph 131 (f)).

(g) For use of personnel posted for duty on the transport.

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers		Remarks.
		For all transports other than those with extra cot accommodation.	For transports with extra cot accommodation.	
<i>Pimlico Section No. 6.</i> <i>—contd.</i>				
Hats, pith	100 (f) (h) (i)	—	—	For Transports proceeding only to India.
Helmets, universal, khaki, complete ..	100 (f) (i)	—	—	{ For transports proceeding to stations other than India.
Helmets, universal, khaki, complete	11 (g)	—	—	
<i>Pimlico Section No. 7.</i>				
Armlets, worsted, M.P.	—	—	—	1 per cent. of troops on board with a minimum of 4.
<i>Pimlico Section No. 15.</i>				
Crossbelts, sentries	—	—	—	2 per cent. of troops on board with a minimum of 10.
Frocks, duck ..	24 (j)	—	—	
Frocks, khaki drill ..	50 (k)	—	—	
Frocks, oil-dressed	4 (l)	—	—	
Hats, sou'-wester ..	4 (l)	—	—	
Jackets, S.D. ..	25 (k)	—	—	
Trousers, duck, prs.	24 (j)	—	—	
Trousers, khaki drill, pairs	50 (k)	—	—	
Trousers, S.D., pairs	25 (k)	—	—	
Trousers, oil-dressed	4 (l)	—	—	

(f) For issue on payment to troops requiring replacements owing to loss or deficiency (see paragraph 131 (f)).

(g) For use of personnel posted for duty on the transport.

(h) To be obtained from India Store Department.

(i) When a vessel during any portion of her voyage is to carry troops for both Indian and Colonial ports, a percentage of each type of head-dress will be placed on board; the percentage of each to be decided by the Ordnance Officer having regard to the number of days during the voyage the ship is to be occupied by troops for Indian and Colonial stations respectively.

The hats, pith, will not be issued to personnel proceeding to stations other than India.

(j) For use of assistants to bakers and cooks.

(k) For issue on payment to troops requiring replacements owing to loss or deficiency (see paragraph 131 (k)).

(l) For each transport with exposed sentry posts.

Description.	Stores for all Trans-ports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers.		Remarks.
		For all trans-ports other than those with extra cot accom- modation.	For trans-ports with extra cot accom- modation.	
<i>Pimlico Section No. 17.</i>				
Aprons { Dispensers	—	3	3	For each R.A.M.C. nursing orderly.
Aprons { Operating	—	—	3	
Gowns, serge, unlined	—	10	64	
Handkerchiefs . . .	24(m)	50	500	
Jackets, serge, unlined	—	40	250	
Jackets, sleeping . .	12(m)	50	120	
Overalls, nursing orderlies . . .	—	3	3	
Sleeves, dispensers', pairs . . .	—	3	3	
Ties, red . . .	—	75	200	
Trousers, serge, unlined . . .	—	40	250	
Trousers, pyjama, sleeping, pairs . .	12(m)	50	80	
Waistcoats, serge, unlined . . .	—	40	250	
Waistcoats, strait	—	1	3	
<i>Pimlico Section No. 18.</i>				
Drawers, flannel, prs.	—	20	100	
Drawers, woollen, prs.	100(n)	—	—	
Shirts, cotton, made	12(m)	100	500	
Shirts, flannel . . .	100(n)	—	—	
Socks, worsted, pairs.	12(m)	150	250	
Socks, worsted, pairs	100(n)	—	—	
Vests, flannel, white . .	12 (m) (o)	100 (o)	500 (o)	
Vests, woollen . .	100(n)	—	—	
<i>Pimlico Section No 19.</i>				
Shoes, canvas, pairs	200 (p)	—	—	
Slippers { Bedroom, prs.	—	—	25	
Slippers { Leather, prs.	12(m)	25	50	

(m) For each 100 men on board. For freightships only.

(n) For issue on repayment to troops coming from a hot climate.

(o) Vests, flannel, ordinary, will be issued in lieu until stocks are used up.

(p) For issue on payment to troops requiring replacements owing to loss or deficiency (see paragraph 131 (f)).

Description.	For each vessel.	Remarks.
BOOKS AND PERIODICALS.(a)		
Books, educational	(b)	(a) If the initial port of departure of a vessel is elsewhere than Southampton, the Ordnance Officer concerned will indent upon the Storeholder, Royal Army Ordnance Corps Depot, Minden Barracks, Royal Crescent Road, Southampton, for the books, periodicals and regulations required.
Books, library, Vols.	300 (c)	
Magazines, monthly (d)—		
Cassell's	1	
Chambers' Journal	1	
London	1	(b) A unit library and certain selected books. <i>See</i> Educational Training.
Pearson's	1	
Royal	1	
Strand	1	
Windsor	1	
Bibles	50	(c) For troops freights the proportion will be :— When the number of troops embarked does not exceed 100 Vols. When the number of troops embarked exceeds 500. 200 Vols.
Prayer Books :—		
Church of England	50	
Roman Catholic	20	
Presbyterian	20	
Wesleyan	20	(d) Complete series will be issued. For vessels proceeding to India.
Simple form of prayer	500	
Hymn Books, R.C.	250	
Hymn Books, Ancient and Modern (with music)	2	
Indian Military Almanac	100	
REGULATIONS. (c)		
Army List, Monthly	1	(e) If the initial port of departure of a vessel is elsewhere than Southampton, the Ordnance Officer concerned will indent upon the Storeholder, Royal Army Ordnance Corps Depot, Minden Barracks, Royal Crescent Road, Southampton, for the books, periodicals and Regulations required. 8 sets of these Regulations, etc., will be held by the Embarkation Commandant, Southampton, who will arrange for them to be kept up-to-date.
Allowance Regulations	1	
Equipment Regulations, Part I.	1	
Financial Instructions	1	
King's Regulations	1	
Manual of Military Law	1	
Pay Duties Manual	1	
Priced Vocabulary of Clothing and Necessaries	1	
Vocabulary of Army Ordnance Stores	1	
Voyage Regulations	1	
Royal Warrant for Pay	1	

Description.	For each vessel.	Remarks.
REGULATIONS—contd.		
Regulations for H.M. Sea Transport Service ..	1 (f)	Whichever is applicable.
Instructions for Master of Transports or Instruction for Masters of Freightships	1 (f)	
Army Orders { Complete for filing (with all publications issued with Army Orders). }	1	
Monthly { }		
STATIONERY, ETC.		
Duplicator, flat, Ellam's (with accessories).	1	1 When the total number of adults embarked is not less than 250 or more than 500. 2 When the total number of adults embarked exceeds 500.
Machines, typewriting (brief size).	—	

(f) To be obtained from the Director of Sea Transport, Mercantile Marine Department, Board of Trade.

8. Appendix III. Table 2, *add* at end—
"Veterinary Stores"

Field veterinary chest,			120
"Officers" (a) (b).	1 for each ship	1 for each ship	Gen. 0891
Veterinary chest H.T. (b)	1 " " "	1 " " "	Amdt. 7
Oil, linseed (pints 40) (b),			Nov. 1928.
drums	1 " " "	1 " " "	

Add footnotes—

"(a) Only issued when a veterinary officer accompanies the animals.

(b) To be demanded from Army Veterinary Stores, Woolwich."

9. Appendix XV.

Page 267.

Under heading "Spanners" delete "Adjustable, 7-inch" and detail.

Page 269.

Against "Wheel, special, No. 94" add "Mk. I (i)."

57
 Vocab.
 8515

Amdt. 7
Nov. 1928.

Insert footnote—

"(i) Stored without covers and tubes, which will be provided by R.A.O.C. on mobilization."

Page 271.

Insert as first item on page—

Amdt. 7
Nov. 1928.

"El | **Levers**, tyre, | — | 2 | — | — | — | — | —" etc.

Against " Pump, bicycle " add "(n) "

Insert before " Spanner, No. 93 "—

Amdt. 7
Nov. 1928.

"El | **Spanner**, ad- | — | 1 | — | — | — | — | —" etc.

Delete " Clip securing pump " and detail.

Insert footnote—

Amdt. 7
Nov. 1928.

(n) Will not be issued until existing stock of Inflator, rubber tyred wheels is exhausted."

10. Appendix XLV. (as promulgated by Amendments No. 5, notified in Army Order 137 of 1928).

Add at end—

57
Gen.
5423
Amdt. 7
Nov. 1928.

BAGS, ARMOURERS, M.G., Mk. I. FILLED.

Bag and List of Contents.

Description.							No.
<i>Section B.3.</i>							
Bags , Armourers, S.A., Mk. I	..	..	..	..	..	..	1
Drifts , Armourers—							
No. 2	..	..	..	..	..	..	1
No. 5	..	..	..	..	..	..	1
Pincers , Armourers	..	..	..	..	..	..	1
Screwdrivers , Armourers—							
Large	..	..	..	..	..	..	1
Small	..	..	..	..	..	..	1
Sticks , carborundum	..	..	..	..	..	..	1
<i>Section C.1.</i>							
Balances , spring, M.G., Mk. I	..	..	..	..	..	..	1
Hammers , M.G., Mk. I	..	..	..	..	..	..	1
<i>Section No. 7.</i>							
Files—							
Bastard—							
Flat, 6-in.	..	..	..	..	..	..	1
Round, 6-in.	..	..	..	..	..	..	1
Smooth—							
Flat, 6-in.	..	..	..	..	..	..	1
Half-round, 8-in.	..	..	..	..	..	..	1
Pillar, 6-in.	..	..	..	..	..	..	1

BAGS, ARMOURERS, M.G., Mk. I, FILLED—*contd.*

Description.	No.
<i>Section No. 7.—contd.</i>	
Handles, file, small	4
Mallets, rawhide	1
Pliers, side-cutting, 8-in., Mk. IV	1
Cutters, Mk. IV	2
Spanners, shifting	1
Vices, hand, 16-oz.	1
<i>Section H.1</i>	
Cloth, Emery, No. F	Quires. 1/2½

NOTE.—Items carried in the filled bag which are separately demandable and separately chargeable, are not included in this list.

By Command of the Army Council,



THE WAR OFFICE,
30th November, 1928.

LONDON:

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1928

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EQUIPMENT REGULATIONS, PART 1, 1923.

AMENDMENTS (No. 8).

1. Paragraph 148. *For last two lines substitute—*

" This authority does not apply to mobilization harness. Arrangements will be made locally for any additional harness required temporarily for vehicles taken on manœuvres, etc."

26
Regs.
900
Amdt. 8
Jan. 1929

2. *Insert new paragraph—*

" **200A.** When ammunition is found to be defective, the description, maker and date of manufacture marked on the box is to be noted. The rounds complained of, with their wrappers, charger cases, or bandoliers, and further samples from the same box, and the arms with which failure occurred, will be examined locally as far as possible. The G.O.C. will, if necessary, forward the rounds, with their wrappers, charger cases or bandoliers, and further samples, with précis of information, direct to the Chief Inspector of Armaments, Woolwich, who will pass his report with his remarks to the War Office, should he consider the matter important; otherwise he will report to the station direct. Should it be found necessary to send a box, or boxes of ammunition, they will be sent to the C.O.O., Woolwich Arsenal, the boxes to be marked clearly " For Special Examination by the Chief Inspector of Armaments, Woolwich." The label will quote the paper referring to it. The arms will be kept available for special inspection, if ordered."

57
Amtn. 8
1175
Amdt. 8
Jan. 1929

3. Paragraph 213 (as promulgated by Army Order 35 of 1927 and amended by Amendments No. 4 notified in Army Order 114 of 1928).

Against " Aldershot " for detail in column 3 substitute
" 4,350 (a) "

57
Northern
4374

Against " Northern " for detail in columns 3 and 4 substitute
" 1,300 " and " 200 " respectively.

Against " Rhine " for detail in column 4 substitute " 200 "

- 54
Gen.
6450 4. Paragraph 222.
First sub-paragraph (as amended by Army Order 402 of 1925).

After " concerned " in last line *add*—

Amdt. 8
Jan. 1929 " , but public saddlery will not be taken to India by individual officers transferred to the Indian establishment."

Delete second sub-paragraph (as promulgated by Amendments No. 6 notified in Army Order 176 of 1928).

- 54
Cavly.
1918 5. Paragraph 245,
sub-paragraph 2—

For detail *against* " Cavalry regiment " *substitute*—

Amdt. 8
Jan. 1929 " Home and Rhine 3
Colonies 6 "

Page 65.

Line 3, *after* " regiments " *add* " , Colonies "

After Line 6 *insert*—

Amdt. 8
Jan. 1929 " Cavalry regiments, Home and Rhine—1 each farrier included in Peace Establishments."

- 54
Sigs.
870 6. *Insert* new paragraph—

- " 245A. *Tools, saddlers'*. Saddlers' tools will be supplied in the following proportions :—

<u>Amdt. 8</u> <u>Jan. 1929</u>	" Panniers , tool, saddlers', filled	{	1 each saddler borne on peace establishment of a cavalry regiment. Other units, except R.A., 1 for first saddler borne on peace establishment.
	Holdalls , tool, saddlers', filled	{	All units except cavalry regiments and R.A.—1 for each saddler borne on the establishment except those provided with a pannier."

- 57
Gen.
5293 7. Paragraph 266, page 69.

Against " R.A.M.C. Companies " in line 3 of detail, *after* " bill-hook," *add*

Amdt. 8
Jan. 1929 " stretchers, ambulance, Mk. II :—bars, suspension 4, sheets, ground, Mk. VII, 8,"

- 57
London
6325 8. Paragraph 279B (as promulgated by Army Order 441 of 1924)

Add new sub-paragraph—

Amdt. 8
Jan. 1929 " Three Compasses, prismatic, Mk. VIII will also be allowed for the Guards Depot for this purpose."

9. *Insert new paragraph—*

" **280A.** In hot climates the folds of Apparatus Aerial Signalling are liable to stick after storage, and to obviate this "Chalk, French" should be used. The chalk will be obtained from the R.A.O.C. on the following scale:—

Units abroad only.

*Annual Supply
of Chalk, French.*

	lbs.
Cavalry Regiment	3
R.A. Battery	3
Egypt Signals	22
Infantry Battalion	4½

57
Egypt
2135
Amdt. 8
Jan. 1929

10. Paragraph 319 (i) *under* "ROYAL ENGINEER UNITS" *delete* sub-paragraph "(c)".

57
Engrs.
1082

11. Paragraph 319 (ii)—Table.

Against "Aldershot Command" in column 4 (as amended by Army Order 116 of 1925) *for* "4" *substitute* "2".

57
Aldsht.
1751

12. Paragraph 339, *insert* new sub-paragraph—

"Marking should be done in such a way to ensure that—
(a) it is out of sight when the article is worn, *e.g.*, on the inside of all articles,
(b) the article is not damaged thereby and is fit for subsequent issue to other units."

54
Gen.
0455

Amdt. 8
Jan. 1929

13. Appendix I, paragraph 1.

Line 10, *for* "31st March" *substitute* "30th September"
Line 12, *for* "1st May" *substitute* "1st December"

16
Gen.
5602

14. Appendix VI,
Table, 1, page 168.

Against "Boxes, testing and jointing filled" *delete* "(b)" and *insert* " , No. 2 "

57
Engrs.
1082

Under "Section No. 28B" *insert*—

"Cells, inert, S (b) 1 1 2 "

Amdt. 8
Jan. 1929

Delete footnote "(b)"

Insert new footnote—

"(b) For Box, test cell, S issued with Boxes, testing and jointing, filled, No. 2. The maintenance of these cells will be met out of the allowance authorized under paragraph 319 (iii) A."

Amdt. 8
Jan. 1929

Table 2, page 172 (as amended by Army Order 116 of 1925)

Under "Section No. 29D" *insert*—

"Joists, steel, Mk. I — 8 —
" " clips, Mk. I — 16 —

57
Engrs.
1082

Amdt. 8
Jan. 1929

Table 2, page 173 (as amended by Army Order 116 of 1925)
Delete—

*" R.E. Vocabulary
To be supplied by R.A.O.C.*

Rolled steel joists, 9 ft. × 5 ins. × 3 ins. (11								
lbs. per ft. run)	..	..	..	..	..	..	8	—
Clips, C.I., for ditto	..	..	..	..	..	..	16	—

26

Regs.

886

57

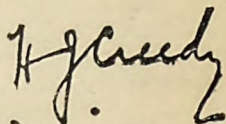
Gen.

5456

15. Appendix XV, page 275, delete "Hobbles" and detail.

16. Appendix XXVI. Delete "Warmers, food, spirit lamp" and detail.

By Command of the Army Council,



THE WAR OFFICE,
31st January, 1929.

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